



Arlington Conservation Commission

Date: Thursday, August 4, 2022
Time: 7:00 PM
Location: Conducted by Remote Participation

Pursuant to State Legislation suspending certain provisions of the Open Meeting Law, G. L. c. 30A, § 20 relating to the COVID-19 emergency, the August 4, 2022, public meeting of the Arlington Conservation Commission shall be physically closed to the public to avoid group congregation. The meeting shall instead be held virtually using Zoom. Please register in advance for this meeting. Reference materials, instructions, and access information for this specific meeting will be available 48 hours prior to the meeting on the Commission's agenda and minutes page.

Agenda

1. Administrative
 - a. Approval of July 21st, 2022, Meeting Minutes
2. Updates
 - a. Park & Recreation Commission Liaison
 - b. Water Bodies Working Group
 - c. Alewife Brook CSO Tour
 - d. Tree Committee Liaison
3. Discussion
 - a. Funding Request for Invasive Vegetation Education Campaign
Documents: Email proposal from D. Morgan to S. Chapnick and Chris Leich of Arlington Land Trust

D. Morgan will ask the Commission to approve a \$250 expense from the Arlington Conservation Stewardship Fund to provide supplies for a proposed education and invasive vegetation removal campaign.
 - b. Draft Arlington Wetland Bylaw Regulation Updates
Documents: Standard Conditions

D. Morgan will request the Commission's input regarding the standard conditions included with Notices of Intent.
4. Hearings

Request for Determination of Applicability: 429 Mystic Street (Continuation)

Request for Determination of Applicability: 429 Mystic Street (Continuation)

This public hearing will consider a Request for Determination of Applicability for a deck installation at 429 Mystic Street. Work is proposed to be conducted within the 100-foot Buffer Zone and Adjacent Upland Resource Area to Upper Mystic Lake as well as Bordering Land Subject to Flooding (FEMA Zone AE).

Notice of Intent: Arlington Reservoir Water Chestnut Removal

Notice of Intent: Arlington Reservoir Water Chestnut Removal

Documents: Arlington Reservoir Water Chestnut Removal NOI Packet

This public hearing will consider a Notice of Intent for removal of invasive water chestnut at Arlington Reservoir. Work is proposed to be conducted within the 100-foot Buffer Zone and Adjacent Upland Resource Areas, and floodplain (FEMA Zone AE) to Arlington Reservoir, as well as the 200-foot Riverfront Area, 100-foot Buffer Zone, and Adjacent Upland Resource Areas to Mill Brook.

Request for Determination of Applicability: Lowell Street Place Gas Main Replacement

Request for Determination of Applicability: Lowell Street Place Gas Main Replacement

Documents: Arlington Gas Main Replacement - RDA

This public hearing will consider a Request for Determination of Applicability by Boston Gas Company for gas main replacements in the public rights of way for Lowell Street, West Court Terrace, Elder Terrace, Lowell Street Place, Nourse Street, and Reservoir Road. Work will be conducted in 620 square feet of Bordering Land Subject to Flooding along Lowell Street Place.

Certificate of Compliance: 34 Dudley Street (Continued)

Certificate of Compliance: 34 Dudley Street (Continued)

Documents: 34 Dudley Street Revised As-Built Plan

This application was first heard on June 2, 2022. The hearing has been continued at the applicant's request. The commission requested the applicant address the stormwater system that was not installed and propose a scenario for accomplishing a partial Certificate of Compliance.

This public hearing will consider a Request for Certificate of Compliance by Joseph R. Porter of VTP Associates, Inc., for the completed redevelopment at 34 Dudley Street (DEP #091-0309).

Notice of Intent: 34 Dudley Street (Continued)

Notice of Intent: 34 Dudley Street (Continued)

Documents: 34 Dudley Response to Stormwater Comments

This application was first heard on March 3, 2022. The hearing has been continued at the applicant's request. The commission requested the applicant address comments by the town engineer concerning stormwater management.

This public hearing will consider a Notice of Intent to construct a five-story self-storage facility at 34 Dudley Street and remove a failing retaining wall on the adjacent Town-owned parcel at 0 Grove Street. As proposed, the project will result in impacts within the Riverfront Area to Mill Brook, 100-foot Adjacent Upland Resource Area, and buffer zone to Bank.



Town of Arlington, Massachusetts

Tree Committee Liaison

Summary:

Tree Committee Liaison



Town of Arlington, Massachusetts

Funding Request for Invasive Vegetation Education Campaign

Summary:

Funding Request for Invasive Vegetation Education Campaign

Documents: Email proposal from D. Morgan to S. Chapnick and Chris Leich of Arlington Land Trust

D. Morgan will ask the Commission to approve a \$250 expense from the Arlington Conservation Stewardship Fund to provide supplies for a proposed education and invasive vegetation removal campaign.

ATTACHMENTS:

	Type	File Name	Description
▢	Reference Material	Invasive_Vegetation_Education_Campaign.pdf	Invasive Vegetation Education Campaign

Subject: Invasive Vegetation Education Campaign

From: David Morgan <dmorgan@town.arlington.ma.us>

Date: 7/22/2022, 10:15 AM

To: "cmleich@comcast.net" <cmleich@comcast.net>, Susan Chapnick <schapnick@neh-inc.com>

Hi Chris and Susan,

I'm writing to inquire whether the Conservation Commission and Arlington Land Trust would support a request to the Arlington Conservation Stewardship Fund for \$100+/- for an education campaign about invasive species. I am also wondering if the same campaign could be used as a fundraiser for the same fund.

My idea is to educate a team of high school students about the invasive vegetation in two or more high-traffic areas around town. Rather than immediately remove the vegetation, the students would apply [a high-visibility, eco-friendly paint](#) to the leaves. They would add signage to the site describing the impacts of the highlighted species and the need to fund their removal. The signs could include a request to donate to the stewardship fund. I would pair the job with volunteer efforts to remove the painted vegetation after a month. I would also set up an info table at the front of the Robbins Library and issue publicity related to the effort.

If the library has space for us in September, I would like to roll this out in the early fall, otherwise next spring.

Cheers,
David

--

David Morgan | Environmental Planner + Conservation Agent | Department of Planning and Community Development | 781.316.3012 | dmorgan@town.arlington.ma.us

Arlington values equity, diversity, and inclusion. We are committed to building a community where everyone is heard, respected, and protected.



Town of Arlington, Massachusetts

Notice of Intent: Arlington Reservoir Water Chestnut Removal

Summary:

Notice of Intent: Arlington Reservoir Water Chestnut Removal

Documents: Arlington Reservoir Water Chestnut Removal NOI Packet

This public hearing will consider a Notice of Intent for removal of invasive water chestnut at Arlington Reservoir. Work is proposed to be conducted within the 100-foot Buffer Zone and Adjacent Upland Resource Areas, and floodplain (FEMA Zone AE) to Arlington Reservoir, as well as the 200-foot Riverfront Area, 100-foot Buffer Zone, and Adjacent Upland Resource Areas to Mill Brook.

ATTACHMENTS:

Type	File Name	Description
▣ Reference Material	Arlington_Reservoir_Water_Chestnut_Management_NOI_Package.pdf	Arlington Reservoir Water Chestnut Management NOI Package



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Arlington

City/Town

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

0 Lot Lowell Street (Arlington Reservoir)

a. Street Address

Arlington/Lexington

b. City/Town

c. Zip Code

Latitude and Longitude:

42deg 25' 47.12"N

71deg 11' 15.59"W

d. Latitude

e. Longitude

61

1-4

f. Assessors Map/Plat Number

g. Parcel /Lot Number

2. Applicant:

David

a. First Name

Morgan

b. Last Name

Town of Arlington

c. Organization

730 Massachusetts Avenue

d. Street Address

Arlington

e. City/Town

MA

f. State

02476

g. Zip Code

781-316-3012

h. Phone Number

i. Fax Number

dmorgan@town.arlington.ma.us

j. Email Address

3. Property owner (required if different from applicant): ☐ Check if more than one owner

a. First Name

b. Last Name

c. Organization

d. Street Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email address

4. Representative (if any):

a. First Name

b. Last Name

c. Company

d. Street Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

Exempt

a. Total Fee Paid

b. State Fee Paid

c. City/Town Fee Paid



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Arlington

City/Town

A. General Information (continued)

6. General Project Description:

Removal of invasive water chesnut via mechanical aquatic harvester

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- | | |
|---|---|
| 1. <input type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Commercial/Industrial | 4. <input type="checkbox"/> Dock/Pier |
| 5. <input type="checkbox"/> Utilities | 6. <input type="checkbox"/> Coastal engineering Structure |
| 7. <input type="checkbox"/> Agriculture (e.g., cranberries, forestry) | 8. <input type="checkbox"/> Transportation |
| 9. <input checked="" type="checkbox"/> Other | |

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. ☐ Yes ☒ No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

a. County

b. Certificate # (if registered land)

c. Book

d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- ☐ Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- ☒ Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Arlington

City/Town

B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input checked="" type="checkbox"/> Bank	0 1. linear feet	2. linear feet
b. <input checked="" type="checkbox"/> Bordering Vegetated Wetland	0 1. square feet	2. square feet
c. <input checked="" type="checkbox"/> Land Under Waterbodies and Waterways	1176120 1. square feet	1176120 2. square feet
	0 3. cubic yards dredged	

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input checked="" type="checkbox"/> Bordering Land Subject to Flooding	0 1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input checked="" type="checkbox"/> Riverfront Area	Mill Brook, inland 1. Name of Waterway (if available) - specify coastal or inland	

2. Width of Riverfront Area (check one):

☐ 25 ft. - Designated Densely Developed Areas only

☐ 100 ft. - New agricultural projects only

☒ 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project:

250,000
square feet

4. Proposed alteration of the Riverfront Area:

0

a. total square feet

0

b. square feet within 100 ft.

0

c. square feet between 100 ft. and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI?

☐ Yes ☒ No

6. Was the lot where the activity is proposed created prior to August 1, 1996?

☒ Yes ☐ No

3. ☐ Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Arlington

City/Town

B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	1. square feet _____ 2. cubic yards dredged _____	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	1. square feet _____	2. cubic yards beach nourishment _____
e. <input type="checkbox"/> Coastal Dunes	1. square feet _____	2. cubic yards dune nourishment _____
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	1. linear feet _____	
g. <input type="checkbox"/> Rocky Intertidal Shores	1. square feet _____	
h. <input type="checkbox"/> Salt Marshes	1. square feet _____	2. sq ft restoration, rehab., creation _____
i. <input type="checkbox"/> Land Under Salt Ponds	1. square feet _____	
	2. cubic yards dredged _____	
j. <input type="checkbox"/> Land Containing Shellfish	1. square feet _____	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	1. cubic yards dredged _____	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	1. square feet _____	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	a. square feet of BVW _____	b. square feet of Salt Marsh _____
5. <input type="checkbox"/> Project Involves Stream Crossings		
	a. number of new stream crossings _____	b. number of replacement stream crossings _____



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Arlington

City/Town

C. Other Applicable Standards and Requirements

- ☐ This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

a. ☐ Yes ☒ No

If yes, include proof of mailing or hand delivery of NOI to:

Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581

2017

b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review*

1. ☐ Percentage/acreage of property to be altered:

(a) within wetland Resource Area

percentage/acreage

(b) outside Resource Area

percentage/acreage

2. ☐ Assessor's Map or right-of-way plan of site

2. ☐ Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **

(a) ☐ Project description (including description of impacts outside of wetland resource area & buffer zone)

(b) ☐ Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <https://www.mass.gov/mas-endangered-species-act-mesa-regulatory-review>).

Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if not all plans are not required as part of the Notice of Intent process.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Arlington

City/Town

C. Other Applicable Standards and Requirements (cont'd)

- (c) ☐ MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).

Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

- (d) ☐ Vegetation cover type map of site
- (e) ☐ Project plans showing Priority & Estimated Habitat boundaries
- (f) OR Check One of the Following

1. ☐ Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <https://www.mass.gov/service-details/exemptions-from-review-for-projectactivities-in-priority-habitat>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. ☐ Separate MESA review ongoing. a. NHESP Tracking # _____ b. Date submitted to NHESP _____

3. ☐ Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

- a. ☒ Not applicable – project is in inland resource area only b. ☐ Yes ☐ No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: dmf.envreview-south@mass.gov

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: dmf.envreview-north@mass.gov

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

- c. ☐ Is this an aquaculture project? d. ☐ Yes ☐ No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Arlington

City/Town

C. Other Applicable Standards and Requirements (cont'd)

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
- a. ☐ Yes ☒ No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- b. ACEC
5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
- a. ☐ Yes ☒ No
6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
- a. ☐ Yes ☒ No
7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
- a. ☐ Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
1. ☐ Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 2. ☐ A portion of the site constitutes redevelopment
 3. ☐ Proprietary BMPs are included in the Stormwater Management System.
- b. ☒ No. Check why the project is exempt:
1. ☐ Single-family house
 2. ☐ Emergency road repair
 3. ☐ Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

- ☐ This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1. ☒ USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. ☒ Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Arlington

City/Town

D. Additional Information (cont'd)

3. ☐ Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. ☒ List the titles and dates for all plans and other materials submitted with this NOI.

Arlington Reservoir Water Chestnut Removal NOI Package

a. Plan Title

David Morgan

b. Prepared By

7/14/2022

d. Final Revision Date

c. Signed and Stamped by

e. Scale

f. Additional Plan or Document Title

g. Date

5. ☐ If there is more than one property owner, please attach a list of these property owners not listed on this form.
6. ☐ Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
7. ☐ Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
8. ☒ Attach NOI Wetland Fee Transmittal Form
9. ☐ Attach Stormwater Report, if needed.

E. Fees

1. ☒ Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Arlington

City/Town

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant

2. Date

3. Signature of Property Owner (if different)

4. Date

5. Signature of Representative (if any)

6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A. Applicant Information

1. Location of Project:

a. Street Address

b. City/Town

c. Check number

d. Fee amount

2. Applicant Mailing Address:

a. First Name

b. Last Name

c. Organization

d. Mailing Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email Address

3. Property Owner (if different):

a. First Name

b. Last Name

c. Organization

d. Mailing Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email Address

B. Fees

Fee should be calculated using the following process & worksheet. ***Please see Instructions before filling out worksheet.***

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee

Step 5/Total Project Fee: EXEMPT

Step 6/Fee Payments:

Total Project Fee: EXEMPT
a. Total Fee from Step 5

State share of filing Fee: b. 1/2 Total Fee less \$12.50

City/Town share of filling Fee: c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
Box 4062
Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

Arlington Reservoir Water Chestnut Management Project Narrative

The Town of Arlington seeks approval of a Notice of Intent for invasive water chestnut management at Arlington Reservoir. The reservoir is a 27-acre body of water spanning the towns of Arlington and Lexington. The jurisdictional areas are split almost evenly between the two towns.

The proposal put forward with this Notice of Intent is to mechanically harvest invasive water chestnuts from the surface of the reservoir. The vegetation will be removed by an aquatic harvester, loaded on to the boat ramp in Arlington, then transported to the reservoir spillway via front end loader to be dewatered. Once dry, the water chestnuts will be removed using an excavator and loaded into a dump truck for proper disposal. All surfaces where this activity will take place have been converted to porous pavement or stonedust trail. The porous pavement will additionally be protected by steel plates. Deployment and all subsequent work will occur within Arlington. The Town of Lexington has granted written permission to conduct work within Land Under Waterbodies on the Lexington side of the reservoir.

Water chestnuts are invasive and have grown out of control in recent years. The vegetation covers more than 60% of the reservoir, which impedes ecological function. Wildlife, especially birds, depend on the reservoir for habitat. It is a nesting site for many species, a feeding ground, and a patch along migratory flyways. The quality of the reservoir's habitat suffers with the excessive growth of water chestnuts, which crowd out the vegetation on which wildlife depend. The chestnuts also interfere with recreation at the reservoir, especially fishing, as lines get caught in the crowded growth. There is reasonable concern about the invasive plants spreading to other Town water bodies given their abundance. Already, new water chestnut growth has been found in Spy Pond, likely owing to transit via wildlife. The reservoir also feeds Mill Brook, which outlets to Lower Mystic Lake. Given these concerns, the project goal is full eradication of water chestnut from the reservoir.

Removal of water chestnuts from the reservoir will restore habitat quality while avoiding all adverse impacts to the resource areas. No alteration is proposed to the bank, bordering vegetated wetland, land under waterbodies, or bordering land subject to flooding. All activity will take place on the surface of the water, with the exception of transport of material, which will be done over preexisting infrastructure.



OFFICE OF THE PURCHASING AGENT
TOWN OF ARLINGTON
730 Massachusetts Avenue
Arlington, MA 02476

Telephone (781) 316-3003
Fax (781) 316-3019

July 12, 2022

Solitude Lake Management
590 Lake St.
Shrewsbury, MA 01545
Attn: Jeff Castellani

Mr. Castellani:

We are pleased to inform you that, on the basis of your proposal you have been awarded the contract for #22-37, Water Chestnut Harvesting Services/Arlington Reservoir for The Town of Arlington.

Enclosed contract to be executed by an authorized official of your organization. Please have said official sign each contract on the last page of the contract. Please affix the corporate seal to the last page of the contract. Furnish the Town with a Vote of Corporation authorizing said official to sign for the company.

Provide the Town with the following Liability Insurance Certificates:

- * Workers' Compensation -- as required by statute
- * Public Liability -- each accident \$1,000,000.00
- * Public Liability -- each person \$500,000.00
- * Property Damage \$500,000.00
- * **Town of Arlington to be named Additional Insured.**

Return contract properly executed, together with all pertinent data, to this office as soon as possible in order that we may expedite the processing of same. Thank you for your interest in working with the Town of Arlington.

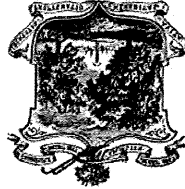
Very truly yours,

Domenic
Lanzillotti
Domenic R. Lanzillotti
Purchasing Officer

Digitally signed by
Domenic Lanzillotti
Date: 2022.07.12
14:34:36 -04'00'

Encl:(contracts)

TOWN OF ARLINGTON
730 Massachusetts Avenue
Arlington, MA 02476



SERVICE CONTRACT

This Contract is for **Water Chestnut Harvesting Services/Arlington Reservoir (#22-37)** for Town of Arlington, Massachusetts.

This Agreement made this day, Tuesday, July 12, 2022, by and between, **Solitude Lake Management, 590 Lake St., Shrewsbury, MA 01545** party of the first part, (hereinafter called the Contractor) and the Town of Arlington, party of the second part, (hereinafter called the Owner), by its Town Manager, (hereinafter called the Manager).

WITNESSETH:

That the Contractor and the Owner, for valuable consideration, agree as follows:

Article 1. The Contractor agrees to furnish and deliver **Water Chestnut Harvesting Services/Arlington Reservoir** of a kind and quality in the manner set forth in the invitation for sealed bids which is hereby referred to and made a part of this contract, and in accordance with the "Proposal" submitted by the Contractor which is hereby referred to and made a part of this contract. All materials and work to be furnished or performed under this contract shall be guaranteed by the Contractor for a period of one year against defects of faulty workmanship.

Article 2. The Contractor shall perform everything agreed by it to be performed properly and promptly in accordance with the terms of this contract and to the satisfaction of the said Town Manager or his duly authorized representative; shall observe and comply with all existing and future state and national laws and town by-laws and regulations in any manner affecting those engaged or employed in the performance of this contract or the conditions referred to; and shall protect and indemnify the Town and the Town Manager and all of its officers and his officers, agents and employees against any claim or liability arising from or based on the violation of any such law, by-law or regulation.

Article 3. The Contractor shall take all precautions for preventing injuries to persons and property in connection with this contract and the performance thereof and shall

indemnify and save harmless the Town and the Town Manager and his officers and agents from all claims relating to injuries to any person corporation or property received or sustained by or from the Contractor or its employees in carrying out the terms of this contract or in consequence of any improper materials, implements or labor used therein and to any act, omission or neglect of the Contractor or its employees therein.

Article 4. If the Contractor shall neglect to perform the terms of this contract promptly, the Town, by its said Town Manager or his duly authorized representative may, after twenty-four hours written notice to the Contractor, without prejudice to any other remedy it may have, make good such deficiencies, and may deduct the cost thereof from any payments then or thereafter due to the Contractor:

Article 5. The Town agrees to pay the Contractor within a reasonable time after the delivery of Water Chestnut Harvesting Services/Arlington Reservoir by the Contractor, in accordance with the terms and provisions of this contract as follows:

ATTACHED PROPOSAL

Not To Exceed \$26,000.00

Article 6. The final payment for work done under this contract shall be made only after the Contractor has signed a statement under the penalty of perjury, certifying that the work described in the final estimate has been completed by him.

Article 7. Neither party shall assign this contract or sublet it in part or as a whole without the prior written consent of the other party hereto. The Contractor shall not assign any sum or sums due or becoming due to him hereunder without the prior written consent of the Town or the said Town Manager.

Article 8. No act or thing other than an express waiver in writing shall operate as a waiver of any provision of this contract, nor shall any waiver of any breach of this contract be held to be waiver of any other subsequent breach.

Article 9. The payments of the amounts due under this contract or in accordance with any written alterations of the same by the parties hereto shall release the Town, the said Town Manager and his representatives from any and all claims and liability in anyway relating to this contract or any such alteration thereof or any thing done in pursuance thereof.

Article 10. Neither the Town Manager nor his representative or agents shall be under any personal obligation or liability by reason of this contract, the execution thereof or anything relating thereto.

Article 11. The Contractor shall comply with the requirements of the Massachusetts General Laws, Chapter 149, Sections 26 to 30, inclusive, as amended, all of which are

hereby incorporated herein by reference, and the Minimum Wage Rates and Health and Welfare and Pension Fund Contributions as determined by the Commissioner of Labor and Industries under the provisions of the aforesaid statutes, as applicable.

WITNESSETH:

IN WITNESS WHEREOF the said parties have hereunto set their hands and common seal, all in triplicate, on the day and year first above set forth.

Signed and sealed in the presence of

For the Town of Arlington,

Trina L. Durcan 07/14/2022
Signature of Officer

Sanford Pooler, Town Manager

Trina L. Durcan, Business Manager
Name and Title of Officer

Solitude Lake Management, LLC
Firm/Corporation Name

Approved as to form,

Douglas Heim, Town Counsel

Certification of Funds,

Ida Cody, Comptroller
Acct. #230-5299

SERVICES CONTRACT

PROPERTY NAME: Arlington Reservoir
PROPERTY ADDRESS: 250 Lowell Street, Arlington MA 02474
CUSTOMER NAME: Conservation Commission, Town of Arlington MA
c/o David Mason
730 Mass Ave
Arlington, MA 02474
dmorgan@town.arlington.ma.us
781.316.3012

CONTRACT DATE: June 12, 2022

SUBMITTED BY: Jeff Castellani

This agreement (the "Agreement") is made as of the date indicated above, and is by and between SOLitude Lake Management, LLC ("Solitude" or the "Company") and the customer identified above (the "Customer") on the terms and conditions set forth in this Agreement.

1. The Services. SOLitude will provide services at the Customer's property as described in Schedule A attached hereto:

2. PAYMENT TERMS. The fee for the Services is **\$26,000**. The Customer shall pay a 25% deposit upon execution of this Agreement. The balance will be invoiced to Customer by SOLitude following completion of the Services. For any work completed or materials in storage on the customer's behalf at the end of each month, the company will invoice and the customer will be responsible for paying the percent of the total work completed as of that date, less any previous deposit paid. Should the work performed be subject to any local, state, or federal jurisdiction, agency, or other organization of authority for sales or other taxes or fees in addition to those expressly covered by this contract, customer will be invoiced and responsible for paying said additional taxes in addition to the fee above. Customer agrees to pay all invoices within thirty (30) days of invoice date. The Customer will be liable for any returned check fees and any collection costs, including reasonable attorney fees and court costs, for any invoices not otherwise timely paid, and interest at the rate of 1% per month may be added to all unpaid invoices. Company shall be reimbursed by the Customer for any non-routine expenses, administrative fees, compliance fees, or any other similar expense that are incurred as a result of requirements placed on the Company by the Customer that are not covered specifically by the written specifications of this contract.

3. TERM AND EXPIRATION. This Agreement is for a one-time service as described in the attached Schedule A. Any additional services will be provided only upon additional terms as agreed to by the parties in writing.

4. DISCLAIMER. SOLitude is not responsible for the failure of any treatment, equipment installation, or other work that result from dam or other structural failures, severe weather and storms, flooding, or other acts of God that are outside of the control of SOLitude.

Customer understands and acknowledges that there are irrigation restrictions associated with many of the products used to treat lakes and ponds. The customer is responsible for notifying SOLitude in advance of the contract signing and the start of the contract if they utilize any of the water in their lakes or ponds for

Competitively Sensitive & Proprietary Materials – The information contained herein is the intellectual property of SOLitude Lake Management. Recipient may not disclose to any outside party any proprietary information, processes, or pricing contained in this document or any of its attachments without the prior written consent of SOLitude Lake Management. This document is provided to the recipient in confidence and it shall be the responsibility of the recipient to keep the information contained herein confidential.



irrigation purposes. The customer accepts full responsibility for any issues that may arise from the irrigation of turf, ornamentals, trees, crops, or any other plants as a result of treated water being used by the customer for irrigation without the consent or knowledge of SOLitude.

Although there is rarely direct fish toxicity with the products used for treatment when applied at the labeled rate, or the installation and normal operation of the equipment we install, there is a risk under certain circumstances of significant dissolved oxygen drops. This risk is most severe in times of extremely hot weather and warm water temperatures, as these are the conditions during which dissolved oxygen levels are naturally at their lowest levels. Oftentimes lakes and ponds will experience natural fish kills under these conditions even if no work is performed. Every effort, to include the method and timing of application, the choice of products and equipment used, and the skill and training of the staff, is made to avoid such problems. However, the customer understands and accepts that there is always a slight risk of the occurrence of adverse conditions outside the control of SOLitude that will result in the death of some fish and other aquatic life. The customer also understands and accepts that similar risks would remain even if no work was performed. The customer agrees to hold SOLitude harmless for any issues with fish or other aquatic life which occur as described above, or are otherwise outside the direct control of the SOLitude, unless there is willful negligence on the part of SOLitude.

While SOLitude Lake Management LLC makes every effort to thoroughly inspect the site before providing this contract proposal or beginning any work, it is possible, without fault or negligence, that unforeseen circumstances may arise, or that hidden conditions on the site might be found in the course of the performance of the contract work, which would result in additional time or material costs that exceed this contract pricing. Should this occur, the customer will be notified of these unforeseen circumstances or conditions and be responsible for the costs associated with remedying. By signing this agreement, the customer acknowledges that they have informed SOLitude Lake Management® of all known and relevant current site conditions that would be reasonable to expect could affect our ability to successfully complete the contract work.

5. INSURANCE AND LIMITATION OF LIABILITY. Solitude will maintain general liability and property damage insurance as necessary given the scope and nature of the Services. The Company will be responsible for those damages, claims, causes of action, injuries or legal costs to the extent of its own direct negligence or misconduct, and then only to an amount not to exceed the annual value of this Agreement. In no event will any party to this Agreement be liable to the other for incidental, consequential or purely economic damages.

6. FORCE MAJEURE. The Company shall not be liable for any delay in performing the Services, nor liable for any failure to provide the Services, due to any cause beyond its reasonable control.

7. ANTI-CORRUPTION AND BRIBERY. Each party represents that neither it nor anyone acting on its behalf has offered, given, requested or accepted any undue financial or other advantage of any kind in entering into this Agreement, and that it will comply with all applicable laws and regulations pertaining to corruption, competition and bribery in carrying out the terms and conditions of this Agreement.

8. GOVERNING LAW. This Agreement shall be governed and construed in accordance with the laws of the state in which the Services are performed.

9. ENTIRE AGREEMENT. This Agreement constitutes the entire agreement between the parties with respect to the subject matter and replaces any prior agreements or understandings, whether in writing or otherwise. This Agreement may not be modified or amended except by written agreement executed by

Competitively Sensitive & Proprietary Materials – The information contained herein is the intellectual property of SOLitude Lake Management. Recipient may not disclose to any outside party any proprietary information, processes, or pricing contained in this document or any of its attachments without the prior written consent of SOLitude Lake Management. This document is provided to the recipient in confidence and it shall be the responsibility of the recipient to keep the information contained herein confidential.



both parties. In the event that any provision of this Agreement is determined to be void, invalid, or unenforceable, the validity and enforceability of the remaining provisions of this Agreement shall not be affected.

10. NOTICE. Any written notice provided under this Agreement may be sent via overnight mail, certified mail, hand delivery or electronic mail with delivery confirmation, to the individuals and addresses listed below.

11. BINDING. This Agreement shall inure to the benefit of and be binding upon the legal representatives and successors of the parties.

12. FUEL/TRANSPORTATION SURCHARGE. Like many other companies that are impacted by the price of gasoline, a rise in gasoline prices may necessitate a fuel surcharge. As such, the Company reserves the right to add a fuel surcharge to Customer's invoice for any increase in the cost of fuel as measured above the same time period in the prior year (by the National U.S. Average Motor Gasoline-Regular Fuel Price per Gallon Index reported by the U.S. Department of Energy). The surcharge may be adjusted monthly (up or down) with the price of gasoline.

13. E-Verify. Solitude Lake Management LLC utilizes the federal E-Verify program in contracts with public employers as required by Florida State law, and acknowledges all the provisions of Florida Statute 448.095 are incorporated herein by reference and hereby certifies it will comply with the same.

ACCEPTED AND APPROVED:

SOLITUDE LAKE MANAGEMENT, LLC.

CONSERVATION COMMISSION:
TOWN OF ARLINTON MA

By: _____

By: _____

Name: _____

Name: David Morgan

Title: _____

Title: Conservation Agent

Date: _____

Date: 07.14.22

Please Remit All Payments to:

**1320 Brookwood Drive Suite H
Little Rock AR 72202**

Customer's Address for Notice Purposes:

Please Mail All Contracts to:

**2844 Crusader Circle, Suite 450
Virginia Beach, VA 23451**

Competitively Sensitive & Proprietary Materials – The information contained herein is the intellectual property of Solitude Lake Management. Recipient may not disclose to any outside party any proprietary information, processes, or pricing contained in this document or any of its attachments without the prior written consent of Solitude Lake Management. This document is provided to the recipient in good faith and it shall be the responsibility of the recipient to keep the information contained herein confidential.

25 of 32



SCHEDULE A – HARVESTING PROJECT SPECIFICATIONS

PROJECT SUMMARY: The scope of work described below includes mobilization and demobilization of the aquatic weed harvester and mechanical removal of water chestnut rosettes from the Reservoir. Hauling and disposal of the removed material and site restoration is not included in this proposal and will be completed by Town DPW staff.

SPECIFICATIONS:

1. The Company will mobilize / demobilize a harvester and operator to the site.
2. SOLitude will use the utmost care when launching and landing equipment but cannot be held responsible for property damages caused by either operation. Unless specifically stated in the contract no crane or tow service charges are included and would be the responsibility of the client should the need arise when launching or landing equipment. If a crane or tow service is required, the contractor and SOLitude will not be held responsible for damages.
3. A maximum of ten (10) days of mechanical harvester services are included, tentatively commencing after notice of water level increase to normal.
4. An aquatic weed harvester will be employed to cut, collect, and transport the plant material to the designated shoreline take-out area for collection by Town DPW staff.
5. SOLitude will employ an aquatic weed harvester to remove as much water chestnut floating rosette material as possible within the allotted budget, but does not guarantee the removal of all vegetation, nor does it make any claims as to plant re-growth that may or may not occur.

ASSUMPTIONS/EXCLUSIONS:

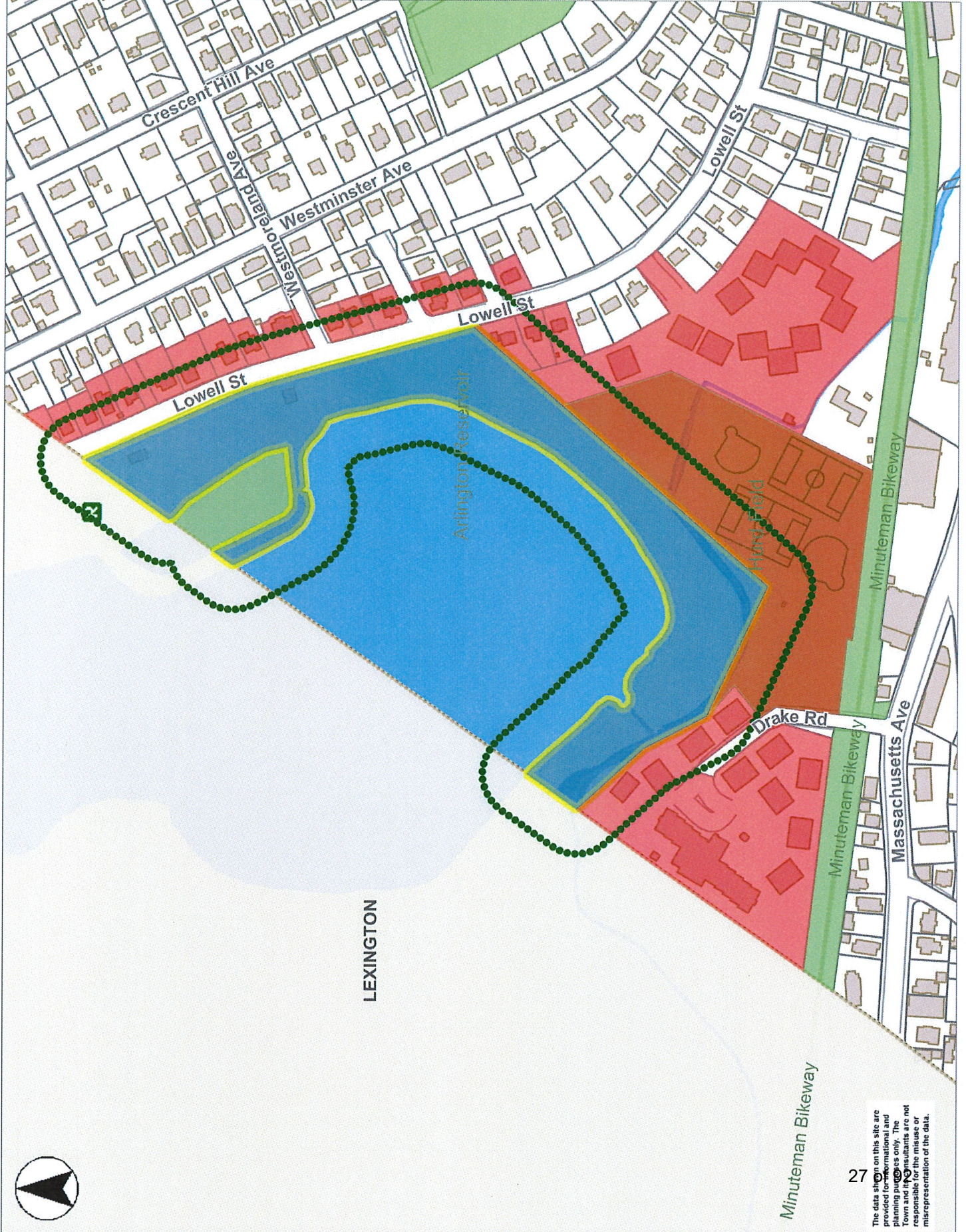
1. The Customer is responsible for compliance with State and Local permits, if required.
2. The Customer will provide an adequate launch / retrieval location for the aquatic weed harvester.
3. Onshore material handling, temporary storage, trucking, and permanent upland disposal of all material to be completed by Town DPW staff.
4. Restoration of any disturbed shoreline and material dewatering areas, resulting from the onshore material handling operation will be completed by Park staff.
5. The Customer certifies the area to be free of all wires, cables, water intakes, or other underwater obstructions.

GENERAL QUALIFICATIONS:

1. The Company will continue to maintain all appropriate licensing necessary to perform all specified work in a safe and legal manner throughout the entire contract period.
2. The Company will furnish personnel, equipment, boats, materials, and other items required to provide the forgoing at his expense.
3. Company will maintain general liability and workman's compensation insurance.



- Places by Category
- Police Station
 - Fire Station
 - School
 - Library
 - Public Works
 - Recreation - Facilities
 - Recreation - Fields Courts
 - Recreation - Fields Courts
 - Open Space: Conservation
 - Open Space - Minuteman I
 - Open Space - Labels
 - Open Space
 - Town, State, or Private
 - Other Town Owned
 - MA Highways
 - Interstate
 - US Highway
 - Numbered Routes
 - Abutting Towns
 - Town Boundary
 - Parcels
 - Buildings
 - Cemetery - Roads
 - Road1
 - Road2
 - Road3
 - Road4
 - Pavement Markings
 - Impervious Surface - For B
 - Street
 - Sidewalk
 - Street Island
 - Driveway
 - Parking Lot
 - Bike Path
 - Roads - For Large Scale (ft)
 - Roads - For Small Scale (ft)
 - Major Road
 - Local Road
 - Master Plan Base Map - M
 - Water Line
 - Water Body





- Buildings
- Wetlands
- Wetland Regulated Bl
- Wetland Regulated Ri
- FEMA 1% - 100 Year
- FEMA Floodway
- Parcels
- MA Highways
- Interstate
- US Highway
- Numbered Rout
- Abutting Towns
- Town Boundary
- Cemetery - Roads
- Road1
- Road3
- Road4
- Pavement Markings
- Impervious Surface - I
- Street
- Sidewalk
- Street Island
- Driveway
- Paved Lot
- Bike Path
- Roads - For Large S
- Roads - For Small S
- Major Road
- Local Road
- Master Plan Base Map
- Water Line
- Water Body



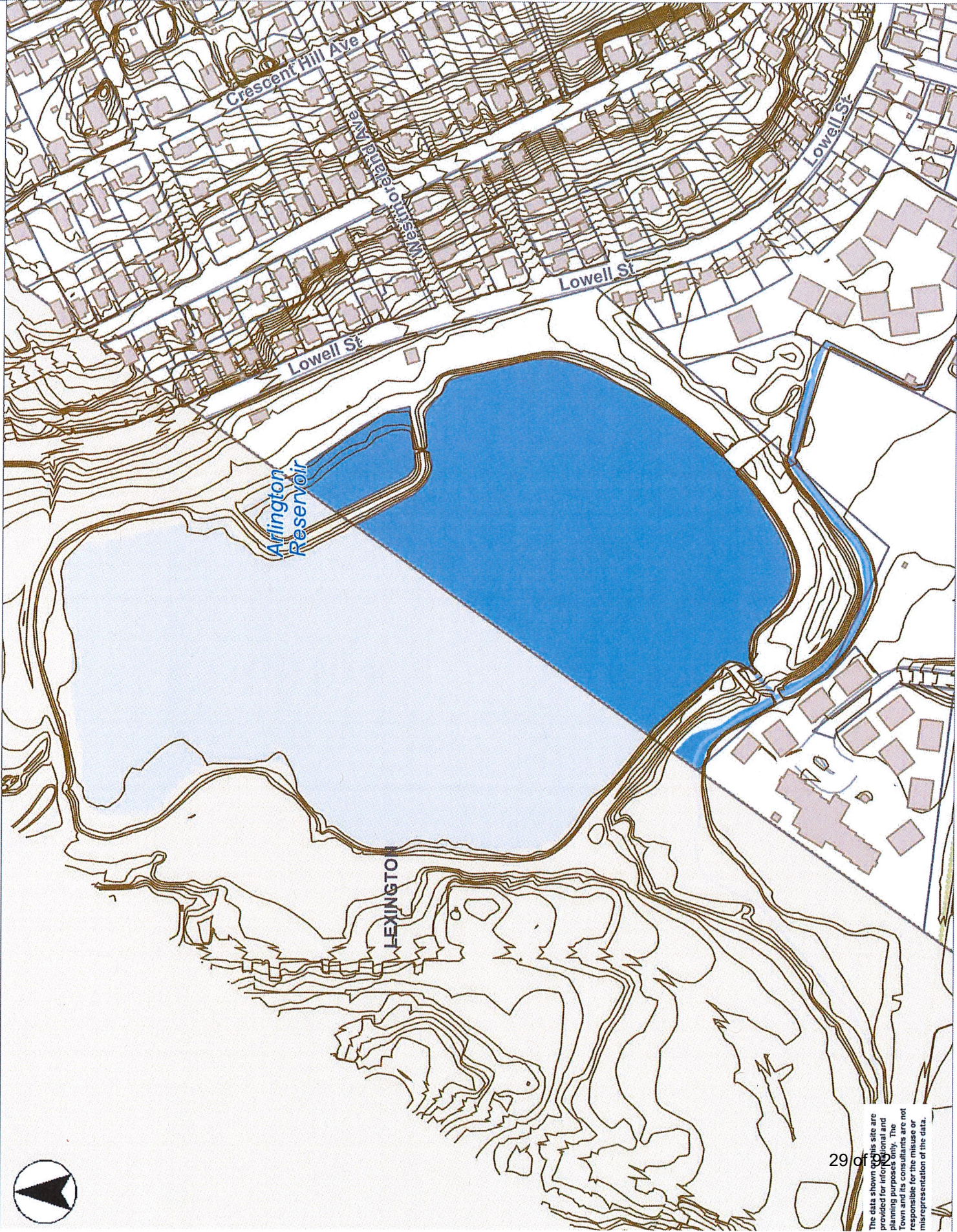
Planning and Community Development

Printed on 06/29/2022 at 01:00 PM

400 800 ft



- Buildings
- Elevation Contour (2ft)
- Parcels
- MA Highways
 - Interstate
 - US Highway
 - Numbered Route
- Abutting Towns
- Town Boundary
- Cemetery - Roads
 - Road1
 - Road2
 - Road3
 - Road4
- Pavement Markings
 - Impervious Surface - I
 - Street
 - Sidewalk
 - Street Island
 - Driveway
 - Parking Lot
 - Bike Path
- Roads - For Large Scale
 - Roads - For Small Scale
 - Major Road
 - Local Road
 - Master Plan Base Map
- Water Line
- Water Body



29 of 39

The data shown on this site are provided for informational and planning purposes only. The Town and its consultants are not responsible for the misuse or misrepresentation of the data.

400

800 ft

Printed on 06/29/2022 at 12:53 PM

Planning and Community Development

National Flood Hazard Layer FIRMette



71°11'40"W 42°25'57"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth
Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with draining areas of less than one square mile (Zone 1)
- Future Conditions 1% Annual Chance Flood Hazard (Zone X)
- Area with Reduced Flood Risk due to Levee. See Notes. (Zone X)
- Area with Flood Risk due to Levee (Zone D)

OTHER AREAS

- NO SCREEN
- Area of Minimal Flood Hazard (Zone X)
- Effective LOMRs
- Area of Undetermined Flood Hazard (Zone X)

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

Legend

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth
Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with draining areas of less than one square mile (Zone 1)
- Future Conditions 1% Annual Chance Flood Hazard (Zone X)
- Area with Reduced Flood Risk due to Levee. See Notes. (Zone X)
- Area with Flood Risk due to Levee (Zone D)

OTHER AREAS

- NO SCREEN
- Area of Minimal Flood Hazard (Zone X)
- Effective LOMRs
- Area of Undetermined Flood Hazard (Zone X)

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

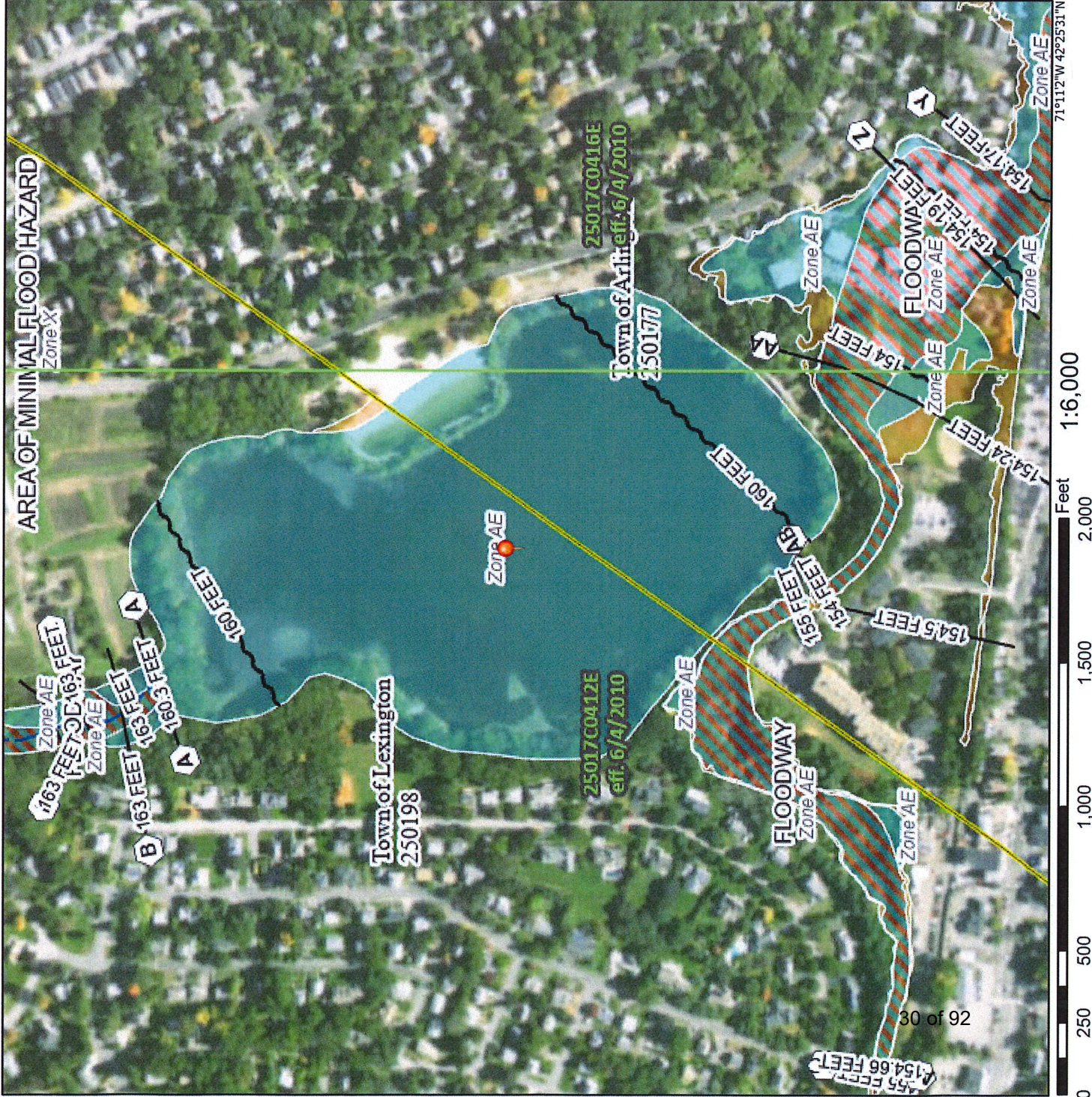
OTHER FEATURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.





Office of the
Board of Assessors
Robbins Memorial Town Hall
Arlington, MA 02476
(781) 316-3050
Assessors@town.arlington.ma.us

Abutters List

Date: June 30, 2022

Subject Property Address: 0-LOT LOWELL ST Arlington, MA
Subject Property ID: 61-1-4

Search Distance: 100 Feet
Demolition/Good Neighbor

The Board of Assessors certifies the names and addresses of requested parties in interest, all abutters within 100 feet of the property lines, of subject property.

**BOARD OF ASSESSORS
TOWN HALL
ARLINGTON, MA 02476**

Board of Assessors

ABUTTERS LIST

Date: June 30, 2022

Subject Property Address: 0-LOT LOWELL ST Arlington, MA

Subject Property ID: 61-1-4

Search Distance: 100 Feet

Mailing Address									
Parcel ID	Property Location	Owner 1	Owner 2	Street Address 1	Street Address 2	City/Town	State	Zip	
61-1-3	0-LOT MASS AVE	TOWN OF ARLINGTON PARK		730 MASS AVE		ARLINGTON	MA	02476	
61-1-4	0-LOT LOWELL ST	TOWN OF ARLINGTON PARK		730 MASS AVE		ARLINGTON	MA	02476	
61-1-5	202 LOWELL ST	YOUNG DOUGLAS W & CATHRINE K		202 LOWELL STREET		ARLINGTON	MA	02474	
61-1-6	198 LOWELL ST	SCHWARTZ ELIZABETH		198 LOWELL ST		ARLINGTON	MA	02474	
61-1-7	194 LOWELL ST	BULL PETER		194 LOWELL STREET		ARLINGTON	MA	02474	
61.A-1-1	1 COLONIAL VILLAGE DR UNIT A1	BAGWADIA ZUBIN ETAL TR		87 OAK RIDGE TER		LYNNFIELD	MA	01940	
61.A-1-2	1 COLONIAL VILLAGE DR UNIT A2	HERZBERG LORRIE		1 COLONIAL VILLAGE DR #2		ARLINGTON	MA	02474	
61.A-1-3	1 COLONIAL VILLAGE DR UNIT A3	FARINO CARLOS		FARINO-VIDAL ZORAYDA		LEXINGTON	MA	02421	
61.A-1-4	1 COLONIAL VILLAGE DR UNIT A4	HE JIANG		YAO TIANQING	#4	ARLINGTON	MA	02474	
61.A-1-5	1 COLONIAL VILLAGE DR UNIT A5	WU DAI		1 COLONIAL VILLAGE DR #5		ARLINGTON	MA	02474	
61.A-1-6	1 COLONIAL VILLAGE DR UNIT A6	CARSER DIANE L/ TRUSTEE		1 COLONIAL VILLAGE DR #6		ARLINGTON	MA	02474	
61.A-1-7	1 COLONIAL VILLAGE DR UNIT A7	ISMAYLOV DMITRIY		48 SHADY HILL RD		WESTON	MA	02493	
61.A-1-8	1 COLONIAL VILLAGE DR UNIT A8	WANG PINGLANG & YING		35 SKYLINE DR		STATEN ISLAND	NY	10304	
61.A-1-9	1 COLONIAL VILLAGE DR UNIT A9	SABIO DARIO R & JOSEFINA B/TRS		10598 SANTERNO ST		LAS VEGAS	NV	89141	
61.A-1-10	1 COLONIAL VILLAGE DR UNIT A10	ZHOU XIAOXIONG		6195 HARDY DR		MCLEAN	VA	22101	
61.A-1-11	1 COLONIAL VILLAGE DR UNIT A11	BARRY ELLEN J		1 COLONIAL VILLAGE DR #11		ARLINGTON	MA	02474	
61.A-1-12	1 COLONIAL VILLAGE DR UNIT A12	MA ZHOUYANG		1 COLONIAL VILLAGE DR #12		ARLINGTON	MA	02474	
61.A-2-1	2 COLONIAL VILLAGE DR UNIT B1	DONG JENNIFER Q	HAN XIAOGANG	508 LOWELL ST		LEXINGTON	MA	02420	
61.A-2-2	2 COLONIAL VILLAGE DR UNIT B2	SQUIRES PROPERTIES LLC		344 BISHOPS FOREST DR		WALTHAM	MA	02452	
61.A-2-3	2 COLONIAL VILLAGE DR UNIT B3	BERGMAN BRUCE L		2 COLONIAL VILLAGE DR #3		ARLINGTON	MA	02474	
61.A-2-4	2 COLONIAL VILLAGE DR UNIT B4	LEDDY WILLIAM A		2 COLONIAL VILLAGE DR #4		ARLINGTON	MA	02474	
61.A-2-5	2 COLONIAL VILLAGE DR UNIT B5	ZHANG YUANYE	HAO XINMING	60 ALBEMARLE AVE		LEXINGTON	MA	02420	
61.A-2-6	2 COLONIAL VILLAGE DR UNIT B6	MORONEY KEVIN F & PAUL R/TRS	MORONEY FAMILY REALTY TRUST	2 COLONIAL VILLAGE DR #6		ARLINGTON	MA	02474	
61.A-2-7	2 COLONIAL VILLAGE DR UNIT B7	COSTA MARIA		2 COLONIAL VILLAGE DR #7		ARLINGTO	MA	02474	
61.A-2-8	2 COLONIAL VILLAGE DR UNIT B8	WANG ROBERT T & KATHY K/TRS	WANG REALTY TRUST	402 HEATHER DR		LYNNFIELD	MA	01940	
61.A-2-9	2 COLONIAL VILLAGE DR UNIT B9	WANG LIANGYUN		75 SAINT ALPHONSUS ST		BOSTON	MA	02120	
61.A-2-10	2 COLONIAL VILLAGE DR UNIT B10	TAM THOMAS &	TAM WINNIE YIN	25 WINCHESTER DRIVE		LEXINGTON	MA	02420	
61.A-2-11	2 COLONIAL VILLAGE DR UNIT B11	RAMSAY RAYLENE L		2 COLONIAL VILLAGE DR #11		ARLINGTON	MA	02474	
61.A-2-12	2 COLONIAL VILLAGE DR UNIT B12	TANO YUKI NOBU		2 COLONIAL VILLAGE DR #12		ARLINGTON	MA	02474	
61.A-3-1	3 COLONIAL VILLAGE DR UNIT C1	COSTA MARIA C		39 BENTON RD		SOMERVILLE	MA	02143	
61.A-3-2	3 COLONIAL VILLAGE DR UNIT C2	BENNETT FREDERICK	BENNETT YUAN WEI MARY	3 COLONIAL VILLAGE DR #2		ARLINGTON	MA	02474	
61.A-3-3	3 COLONIAL VILLAGE DR UNIT C3	LEE RICHARD		3 COLONIAL VILLAGE DR #3		ARLINGTON	MA	02474	
61.A-3-4	3 COLONIAL VILLAGE DR UNIT C4	ARLINGTON COLONIAL LLC		26 SADDLE CLUB RD		LEXINGTON	MA	02420	
61.A-3-5	3 COLONIAL VILLAGE DR UNIT C5	FENG DUANSI		3 COLONIAL VILLAGE DR #5		ARLINGTON	MA	02474	
61.A-3-6	3 COLONIAL VILLAGE DR UNIT C6	THAMES THOMAS L	THAMES ELLEN M	3 COLONIAL VILLAGE DR #6		ARLINGTON	MA	02474	
61.A-3-7	3 COLONIAL VILLAGE DR UNIT C7	CAMERON MELANIE		9 PRINCETON ROAD		ARLINGTON	MA	02474	
61.A-3-8	3 COLONIAL VILLAGE DR UNIT C8	WANG ROBERT T & KATHY K/TRS	WANG REALTY TRUST	402 HEATHER RD		LYNNFIELD	MA	01940	
61.A-3-9	3 COLONIAL VILLAGE DR UNIT C9	LARSEN DAVID L		14 WESTERN AVE UNIT 2		GLOUCESTER	MA	01930	
61.A-3-10	3 COLONIAL VILLAGE DR UNIT C10	CRONIN WILLIAM E JR/ TRUSTEE	WILLIAM E CRONIN JR REVOCABLE	327 LOWELL ST		LEXINGTON	MA	02420	

Parcel ID		Property Location	Owner 1	Owner 2	Street Address 1	Street Address 2	City/Town	State	Zip
61A-3-11	3	COLONIAL VILLAGE DR UNIT C11	KINIRY JOHN J JR		3 COLONIAL VILLAGE DR #11		ARLINGTON	MA	02474
61A-3-12	3	COLONIAL VILLAGE DR UNIT C12	YANG YALAN		3 COLONIAL VILLAGE DR # 12		ARLINGTON	MA	02474
61A-4-1	4	COLONIAL VILLAGE DR UNIT D1	JUNG JONATHAN		4 COLONIAL VILLAGE DR #1		ARLINGTON	MA	02474
61A-4-2	4	COLONIAL VILLAGE DR UNIT D2	COLONIAL VILLAGE CONDOMINIUM	TRUST	C/O DEPT 368 FIRST REALTY MANAGEMENT COR	PO BOX 4579	HOUSTON	TX	77210
61A-4-3	4	COLONIAL VILLAGE DR UNIT D3	JOHNSON CARL R		75 WILSON RD		BEDFORD	MA	01730
61A-4-4	4	COLONIAL VILLAGE DR UNIT D4	KOIRALA PRATIRODH		4 COLONIAL VILLAGE DR #4		ARLINGTON	MA	02474
61A-4-5	4	COLONIAL VILLAGE DR UNIT D5	JENNINGS LAURIE/ TRUSTEE	SANDRA L FIELD 2017 IRREVOCABL	2 WILDWOOD TERR		HUDSON	NH	03051
61A-4-6	4	COLONIAL VILLAGE DR UNIT D6	MANANDHAR ANILA		2 ST MARY'S RD		BURLINGTON	MA	01803
61A-4-7	4	COLONIAL VILLAGE DR UNIT D7	CHEN YU	ZHENG YINGNING	13145 DAIRYMAID DR	APT 304	GERMANTOWN	MD	20874
61A-4-8	4	COLONIAL VILLAGE DR UNIT D8	XIE CHAO	YAN MINGLI	47 SOMERSET RD		LEXINGTON	MA	02420
61A-4-9	4	COLONIAL VILLAGE DR UNIT D9	KIM MYUNG HEE		131 COOLIDGE AVE UNIT 128		WATERTOWN	MA	02472
61A-4-10	4	COLONIAL VILLAGE DR UNIT D10	THOMPSON JOHN R & JUDITH		20 CONNOLLY RD		BILLERICA	MA	01821
61A-4-11	4	COLONIAL VILLAGE DR UNIT D11	JING HONG		4 COLONIAL VILLAGE DR #11		ARLINGTON	MA	02474
61A-4-12	4	COLONIAL VILLAGE DR UNIT D12	COMMONWEALTH BOSTON REALTY LLC		111 PERKINS STREET #303		JAMAICA PLAIN	MA	02130
61A-5-1	5	COLONIAL VILLAGE DR UNIT E1	LEXINGTON REALTY HOLDINGS LLC		PO BOX 134		LEXINGTON	MA	02420
61A-5-2	5	COLONIAL VILLAGE DR UNIT E2	CARON PROPERTIES LLC		23 MARRIGAN ST		ARLINGTON	MA	02474
61A-5-3	5	COLONIAL VILLAGE DR UNIT E3	SMITH IRENE H		5 COLONIAL VILLAGE DR #3		ARLINGTON	MA	02474
61A-5-4	5	COLONIAL VILLAGE DR UNIT E4	JAIN SUJIT G	GOLECHA PRATIBHA S	30 APPLETON PL UNIT 2		ARLINGTON	MA	02476
61A-5-5	5	COLONIAL VILLAGE DR UNIT E5	WU PHILIP C		10 BROADWAY PL APT 3		SOMERVILLE	MA	02145
61A-5-6	5	COLONIAL VILLAGE DR UNIT E6	GROSS GERALDINE R		5 COLONIAL VILLAGE DR #6		ARLINGTON	MA	02474
61A-5-7	5	COLONIAL VILLAGE DR UNIT E7	AHMARI SOHRAB		5 COLONIAL VILLAGE DR #7		ARLINGTON	MA	02474
61A-5-8	5	COLONIAL VILLAGE DR UNIT E8	MASKEY ANURAG	SHRESTHA SHACHI	47 WALLACE ST		NEWTON HIGHLANDS	MA	02461
61A-5-9	5	COLONIAL VILLAGE DR UNIT E9	LAWSON MARTHA A		70 MT VERNON ST		HAVERHILL	MA	01830
61A-5-10	5	COLONIAL VILLAGE DR UNIT E10	OCALLAGHAN KELLY &	SCHNEIDER BRENDYN	5 COLONIAL VILLAGE DR #10		ARLINGTON	MA	02474
61A-5-11	5	COLONIAL VILLAGE DR UNIT E11	CHENG HUI	WANG HUI	5 COLONIAL VILLAGE DR #11		ARLINGTON	MA	02474
61A-5-12	5	COLONIAL VILLAGE DR UNIT E12	HUANG GRACE		7 COOK RD		BURLINGTON	MA	01803
61A-6-1	6	COLONIAL VILLAGE DR UNIT F1	MENDEZ VICTOR F		11 RICHARDSON RD		STONEHAM	MA	02180
61A-6-2	6	COLONIAL VILLAGE DR UNIT F2	FAGUNDO EMILY		6 COLONIAL VILLAGE DR	UNIT 2	ARLINGTON	MA	02474
61A-6-3	6	COLONIAL VILLAGE DR UNIT F3	RANNEY ROGER ERIC		6 COLONIAL VILLAGE DR #3		ARLINGTON	MA	02474
61A-6-4	6	COLONIAL VILLAGE DR UNIT F4	MEI KATHY XIUWEN		32 ARCOLA ST		LEXINGTON	MA	02420
61A-6-5	6	COLONIAL VILLAGE DR UNIT F5	KIM KYUNGSAANG	SONG DU RI	6 COLONIAL VILLAGE DR #5		ARLINGTON	MA	02474
61A-6-6	6	COLONIAL VILLAGE DR UNIT F6	RENDA CATHERINE A/ TRUSTEE	BRIGHTMAN FAMILY REALTY TRUST	765 PLACID LAKE DR		OSPREY	FL	34229
61A-6-7	6	COLONIAL VILLAGE DR UNIT F7	MACAULEY LYNNE A	BROWN ROBERT J	6 COLONIAL VILLAGE DR #7		ARLINGTON	MA	02474
61A-6-8	6	COLONIAL VILLAGE DR UNIT F8	ZHANG YANFANG	CUI JIKE	78 MAPLE ST		BELMONT	MA	02478
61A-6-9	6	COLONIAL VILLAGE DR UNIT F9	PERKINS ELLIOTT W & ANITA C	TRS/ PERKINS FAMILY TRUST	17 STEEPLE CHASE CIRCLE		WESTFORD	MA	01886
61A-6-10	6	COLONIAL VILLAGE DR UNIT F10	WOLFE DANIEL P		6 COLONIAL VILLAGE DR #10		ARLINGTON	MA	02474
61A-6-11	6	COLONIAL VILLAGE DR UNIT F11	HARRIS JEFFREY M		6 COLONIAL VILLAGE DR #11		ARLINGTON	MA	02474
61A-6-12	6	COLONIAL VILLAGE DR UNIT F12	LEE FONG-CHANG	LEE SHIU-IN		1531 LUDINGTON AVE	WESLEY CHAPEL	FL	33543
61A-7-1	7	COLONIAL VILLAGE DR UNIT G1	DAWSON MATTHEW		7 COLONIAL VILLAGE DR #1		ARLINGTON	MA	02474
61A-7-2	7	COLONIAL VILLAGE DR UNIT G2	JANTZ JOAN EDITH/ TRUSTEE	JOAN EDITH JANTZ REVOCABLE TR	64 GRAY ST		ARLINGTON	MA	02476
61A-7-3	7	COLONIAL VILLAGE DR UNIT G3	FARRELL MICHAEL W	STEIN BRITTANY T	7 COLONIAL VILLAGE DR #3		ARLINGTON	MA	02474
61A-7-4	7	COLONIAL VILLAGE DR UNIT G4	HE KAI	SUN XIAOWEI	15 ROCKVILLE AVE		LEXINGTON	MA	02421

Mailing Address

Parcel ID	Property Location	Owner 1	Owner 2	Street Address 1	Street Address 2	City/Town	State	Zip
61.A-7-5	7 COLONIAL VILLAGE DR UNIT G5	SHIU PLACID K		19 GRANT PL		LEXINGTON	MA	02420
61.A-7-6	7 COLONIAL VILLAGE DR UNIT G6	MUTCH JESSICA E/ TRUSTEE	JESSICA E MUTCH REVOCABLE	21 DEAN ST		BELMONT	MA	02478
61.A-7-7	7 COLONIAL VILLAGE DR UNIT G7	SIEGEL JULES		1010 WALTHAM ST APT 295		LEXINGTON	MA	02421
61.A-7-8	7 COLONIAL VILLAGE DR UNIT G8	ZHANG ZHENZHEN &	CHEN KUN	58 CRESTVIEW RD		BELMONT	MA	02478
61.A-7-9	7 COLONIAL VILLAGE DR UNIT G9	SWART'S HEIDI		7 COLONIAL VILLAGE DR #9		ARLINGTON	MA	02474
61.A-7-10	7 COLONIAL VILLAGE DR UNIT G10	GIOVINAZZO EMMA		7 COLONIAL VILLAGE DR #10		ARLINGTON	MA	02474
61.A-7-11	7 COLONIAL VILLAGE DR UNIT G11	MUSE CAROLYN M & JAMES A		1 PONDEROSA DR		PELHAM	NH	03076
61.A-7-12	7 COLONIAL VILLAGE DR UNIT G12	AUSTIN ALEXANDER B		7 COLONIAL VILLAGE DR #12		ARLINGTON	MA	02474
61.A-8-1	8 COLONIAL VILLAGE DR UNIT H1	LEXINGTON REALTY HOLDINGS LLC		PO BOX 134		LEXINGTON	MA	02420
61.A-8-2	8 COLONIAL VILLAGE DR UNIT H2	KNIGHT WILL		8 COLONIAL VILLAGE DR #2		ARLINGTON	MA	02474
61.A-8-3	8 COLONIAL VILLAGE DR UNIT H3	TCHOUL SVIATOSLAV	TCHOUL OKSANA & MAXIM	8 COLONIAL VILLAGE DR #3		ARLINGTON	MA	02474
61.A-8-4	8 COLONIAL VILLAGE DR UNIT H4	KOZHURIN IAN		8 COLONIAL VILLAGE DR	UNIT 4	ARLINGTON	MA	02474
61.A-8-5	8 COLONIAL VILLAGE DR UNIT H5	NAPOLI USA C		8 COLONIAL VILLAGE DR #5		ARLINGTON	MA	02474
61.A-8-6	8 COLONIAL VILLAGE DR UNIT H6	HUEY JEFFREY K		15 NORTH BEACON ST		ARLINGTON	MA	02474
61.A-8-7	8 COLONIAL VILLAGE DR UNIT H7	SHEEHAN KEVIN/ANDREA		228 FOX HILL RD	UNIT 507	ALLSTON	MA	02134
61.A-8-8	8 COLONIAL VILLAGE DR UNIT H8	RUSSO ANMARIE		8 COLONIAL VILLAGE DR #8		BURLINGTON	MA	01803
61.A-8-9	8 COLONIAL VILLAGE DR UNIT H9	LIU QING	LI SHUANGLIAN	8 COLONIAL VILLAGE DR #9		ARLINGTON	MA	02474
61.A-8-10	8 COLONIAL VILLAGE DR UNIT H10	JONAS MICHAEL		8 COLONIAL VILLAGE DR #10		ARLINGTON	MA	02476
61.A-8-11	8 COLONIAL VILLAGE DR UNIT H11	RAHMATPOUR SOHAILA--ETAL	NAKHAEE HAMID	20 OVERBROOK DRIVE		WELLESLEY	MA	02482
61.A-8-12	8 COLONIAL VILLAGE DR UNIT H12	MILLER CHERYL S		8 COLONIAL VILLAGE DR #12		ARLINGTON	MA	02474
61.A-9-1	9 COLONIAL VILLAGE DR UNIT I1	SHEEHAN DANIEL	GOODWIN-SHEEHAN DESIREE	9 COLONIAL VILLAGE DR #1		ARLINGTON	MA	02474
61.A-9-2	9 COLONIAL VILLAGE DR UNIT 2	NEWMARK GERRY G		9 COLONIAL VILLAGE DR #2		ARLINGTON	MA	02474
61.A-9-3	9 COLONIAL VILLAGE DR UNIT I3	ELBANNAN SAMAA		39 PINE HILL RD		BEDFORD	MA	01730
61.A-9-4	9 COLONIAL VILLAGE DR UNIT I4	HUANG AN	ZHANG LIHUA	9 COLONIAL VILLAGE DR #4		ARLINGTON	MA	02474
61.A-9-5	9 COLONIAL VILLAGE DR UNIT I5	LAI RALPH W M & CINDY S T		28 CORNERSTONE CT		DOYLESTOWN	PA	18901
61.A-9-6	9 COLONIAL VILLAGE DR UNIT I6	WANG PINGLANG & YING		35 SKYLINE DR		STATEN ISLAND	NY	10304
61.A-9-7	9 COLONIAL VILLAGE DR UNIT I7	ZHANG YANFANG &	CUI JIKE	78 MAPLE ST		BELMONT	MA	02478
61.A-9-8	9 COLONIAL VILLAGE DR UNIT I8	SHINGU IKUE		9 COLONIAL VILLAGE DR #8		ARLINGTON	MA	02474
61.A-9-9	9 COLONIAL VILLAGE DR UNIT I9	MAC INNES PATRICIA		32 ST CATHERINE RD		NORWOOD	MA	02062
61.A-9-10	9 COLONIAL VILLAGE DR UNIT I10	PRESTON DIANE		186 NEWPORT ST		ARLINGTON	MA	02476
61.A-9-11	9 COLONIAL VILLAGE DR UNIT I11	HUANGFU YANCHONG		9 COLONIAL VILLAGE DR #11		ARLINGTON	MA	02474
61.A-9-12	9 COLONIAL VILLAGE DR UNIT I12	FLEMING ELLEN T		9 COLONIAL VILLAGE DR #12		ARLINGTON	MA	02474
61.A-10-1	10 COLONIAL VILLAGE DR UNIT J1	VALLE ALISON Y		10 COLONIAL VILLAGE DR #1		ARLINGTON	MA	02474
61.A-10-2	10 COLONIAL VILLAGE DR UNIT J2	IORDANIDIS ATHINA		10 COLONIAL VILLAGE DR #2		ARLINGTON	MA	02474
61.A-10-3	10 COLONIAL VILLAGE DR UNIT J3	ROGERS BRUCE LEE	LI JINYU	107 PINE ST		WOBBURN	MA	01801
61.A-10-4	10 COLONIAL VILLAGE DR UNIT J4	VAN RHEENEN CONNIE		38 BRADBURY STREET		CAMBRIDGE	MA	02138
61.A-10-5	10 COLONIAL VILLAGE DR UNIT J5	ABUGOV GREGORY & VICTORIA		16 ENDICOTT PL		CANTON	MA	02021
61.A-10-6	10 COLONIAL VILLAGE DR UNIT J6	PINE DANIEL R		51 STOWCROFT RD		ARLINGTON	MA	02474
61.A-10-7	10 COLONIAL VILLAGE DR UNIT J7	HAN XIAOGANG &	DONG JENNIFER	508 LOWELL ST		LEXINGTON	MA	02420
61.A-10-8	10 COLONIAL VILLAGE DR UNIT J8	LIN ZHOUFANG		10 COLONIAL VILLAGE DR #8		ARLINGTON	MA	02474
61.A-10-9	10 COLONIAL VILLAGE DR UNIT J9	CHAN MARY KAR-MI		10 COLONIAL VILLAGE DR #9		ARLINGTON	MA	02474
61.A-10-10	10 COLONIAL VILLAGE DR UNIT J10	SULLIVAN ROSEMARY T		10 COLONIAL VILLAGE DR #10		ARLINGTON	MA	02474
61.A-10-11	10 COLONIAL VILLAGE DR UNIT J11	GILLIGAN BARBARA YEM- HANG/ TRS	BARBARA YEM-HANG GILLIGAN	10 COLONIAL VILLAGE DR #11		ARLINGTON	MA	02474
61.A-10-12	10 COLONIAL VILLAGE DR UNIT J12	LEVINE EMMA SILLS		10 COLONIAL VILLAGE DR #12		ARLINGTON	MA	02474

Parcel ID		Property Location	Owner 1	Owner 2	Street Address 1	City/Town	State	Zip
61.A-11-1	11	COLONIAL VILLAGE DR UNIT K1	LOPEZ DAVID	QUIROS LOURDES	146 OAKLAND ST	MALDEN	MA	02148
61.A-11-2	11	COLONIAL VILLAGE DR UNIT K2	TIERNEY LAURA J TRUSTEE	PIANTES SOUTH MIDDLESEX COUNTY	216 RANGEWAY RD UNIT 142	NORTH BILLERICA	MA	01862
61.A-11-3	11	COLONIAL VILLAGE DR UNIT K3	DIMILLA JULIE ELIZABETH		11 COLONIAL VILLAGE DR #3	ARLINGTON	MA	02474
61.A-11-4	11	COLONIAL VILLAGE DR UNIT K4	TU WENHONG		26 SADDLE CLUB RD	LEXINGTON	MA	02420
61.A-11-5	11	COLONIAL VILLAGE DR UNIT K5	LOPEZ DAVID F	QUIROS LOURDES	146 OAKLAND ST	MALDEN	MA	02148
61.A-11-6	11	COLONIAL VILLAGE DR UNIT K6	AINBINDER ALINA		11 COLONIAL VILLAGE DR #6	ARLINGTON	MA	02474
61.A-11-7	11	COLONIAL VILLAGE DR UNIT K7	TU WENJIE		11 COLONIAL VILLAGE DR #7	ARLINGTON	MA	02474
61.A-11-8	11	COLONIAL VILLAGE DR UNIT K8	BURKE CHARLES TR	TR OF S.R. REALTY TRUST	C/O LOUIS SARTORI	STOW	MA	01775
61.A-11-9	11	COLONIAL VILLAGE DR UNIT K9	VEZNA/AN MARY		11 COLONIAL VILLAGE DR #9	ARLINGTON	MA	02474
61.A-11-10	11	COLONIAL VILLAGE DR UNIT K10	LOPEZ DAVID F	QUIROS LOURDES	146 OAKLAND ST	MALDEN	MA	02148
61.A-11-11	11	COLONIAL VILLAGE DR UNIT K11	HIGGINS JAMES F		4836 COMANCHE TRAIL	PRESCOTT	AZ	86301
61.A-11-12	11	COLONIAL VILLAGE DR UNIT K12	WALKER KATHRYN R		11 COLONIAL VILLAGE DR #12	ARLINGTON	MA	02474
61.A-12-1	12	COLONIAL VILLAGE DR UNIT L1	SONAM TENZIN		4 BRIDLE PATH	SUDBURY	MA	01776
61.A-12-2	12	COLONIAL VILLAGE DR UNIT L2	LAZURE PETER B/ LIFE ESTATE		12 COLONIAL VILLAGE DR	ARLINGTON	MA	02474
61.A-12-3	12	COLONIAL VILLAGE DR UNIT L3	DAY STEVEN J		12 COLONIAL VILLAGE DR #3	ARLINGTON	MA	02474
61.A-12-4	12	COLONIAL VILLAGE DR UNIT L4	JONES MARILYN J & RICHARD C/ TRS	JONES 2020 FAMILY TRUST	225 PHEASANT AVE	ARLINGTON	MA	02474
61.A-12-5	12	COLONIAL VILLAGE DR UNIT L5	MORILLO-TAYLOR LILIANA		2675 MONTROSE PL	SANTA BARBARA	CA	93105
61.A-12-6	12	COLONIAL VILLAGE DR UNIT L6	KOLA EDISON & ANJEZA		81 BEECHLAND AVE	REVERE	MA	02151
61.A-12-7	12	COLONIAL VILLAGE DR UNIT L7	MISAWA TAKAKO		12 COLONIAL VILLAGE DR #7	ARLINGTON	MA	02474
61.A-12-8	12	COLONIAL VILLAGE DR UNIT L8	NGUYEN CHIEN VIET	VO DUNG NGOC	12 COLONIAL VILLAGE DR #8	ARLINGTON	MA	02474
61.A-12-9	12	COLONIAL VILLAGE DR UNIT L9	FERREIRA JOYCE P		12 COLONIAL VILLAGE DR #9	ARLINGTON	MA	02474
61.A-12-10	12	COLONIAL VILLAGE DR UNIT L10	SHARP JOHN D & KENNETH G/ TRS	2019 CLIFFORD A SHARP	12 COLONIAL VILLAGE DR	ARLINGTON	MA	02474
61.A-12-11	12	COLONIAL VILLAGE DR UNIT L11	MURPHY EDWARD		12 COLONIAL VILLAGE DR UNIT 11	ARLINGTON	MA	02474
61.A-12-12	12	COLONIAL VILLAGE DR UNIT L12	BAI DONGFANG	FEI XINGYUAN	12 COLONIAL VILLAGE DR	ARLINGTON	MA	02474
62-1-4.A	16-38	DRAKE RD	ARLINGTON HOUSING AUTHORITY	DRAKE VILLAGE	730 MASS AVE	ARLINGTON	MA	02474
85-1-7	4	WESTMORELAND AVE	CALLAGHAN OWEN & JESSICA		4 WESTMORELAND AVE	ARLINGTON	MA	02476
85-1-8	239	LOWELL ST	VERDERESE JOHN T		239 LOWELL STREET	ARLINGTON	MA	02474
85-1-9	243	LOWELL ST	WYATT PATRICIA L		243 LOWELL STREET	ARLINGTON	MA	02474
85-4-14	3	WESTMORELAND AVE	ENG DAVID H	CANTY ANDREA M	3 WESTMORELAND AVE	ARLINGTON	MA	02474
85-4-15	221	LOWELL ST	LAMONT STUART & BARBARA		221 LOWELL STREET	ARLINGTON	MA	02474
85-4-16	219	LOWELL ST	MURRAY MICHAEL S & SUZANNA B		219 LOWELL STREET	ARLINGTON	MA	02474
85-4-21	7	WEST COURT TERR	STROK GAVIN M	STROK MARIE-CAROLINE	7 WEST COURT TERR	ARLINGTON	MA	02474
85-4-22	207	LOWELL ST	MARTENS CHINA L	MARTENS SIEGFRIED	207 LOWELL STREET	ARLINGTON	MA	02474
85-4-23	203	LOWELL ST	SALOCKS JEFFREY D-ETAL	STAFFORD SHARON L	203 LOWELL STREET	ARLINGTON	MA	02474
85-4-26	197	LOWELL ST	GETTLER JUSTIN B & HOLLY K		197 LOWELL ST	ARLINGTON	MA	02474
86-5-9	251	LOWELL ST	ALLEN THOMAS J &	SENESE MARGARET D	251 LOWELL STREET	ARLINGTON	MA	02474
86-5-10.A	255	LOWELL ST	GALVIN ANNE M		255 LOWELL ST	ARLINGTON	MA	02474
86-5-10.B	257	LOWELL ST	PLANT SUSAN W	CHO DANYUL Y	257 LOWELL STREET	ARLINGTON	MA	02474
86-5-11	257	LOWELL ST	PLANT SUSAN W	CHO DANYUL Y	257 LOWELL STREET	ARLINGTON	MA	02474
86-5-12	261	LOWELL ST	PHAN DIA MINH	YAO GRACE	261 LOWELL STREET	ARLINGTON	MA	02474
86-5-13	265	LOWELL ST	CHARLIER-MATTHEWS REBECCA	KOSMATKA KRISTOPHER	265 LOWELL ST	ARLINGTON	MA	02474
86-5-14	269	LOWELL ST	QUINN ARIANNA ISABELLA KRINOS	QUINN LUKE JOSEPH	269 LOWELL ST	ARLINGTON	MA	02474
86-5-15	271	LOWELL ST	GEISSLER GARY J		1 LOWELL STREET	LEXINGTON	MA	02420



Town of Arlington, Massachusetts

Request for Determination of Applicability: Lowell Street Place Gas Main Replacement

Summary:

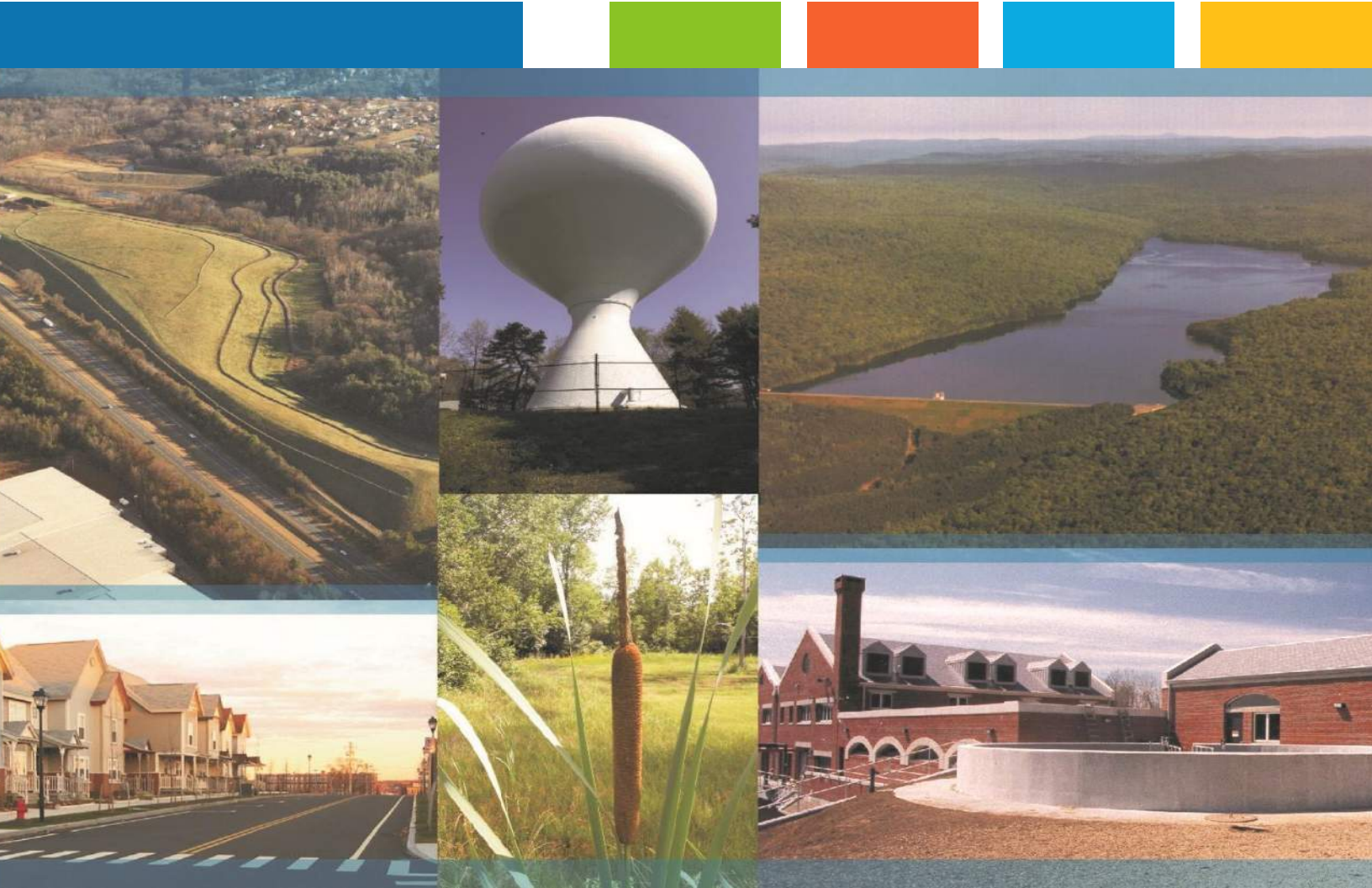
Request for Determination of Applicability: Lowell Street Place Gas Main Replacement

Documents: Arlington Gas Main Replacement - RDA

This public hearing will consider a Request for Determination of Applicability by Boston Gas Company for gas main replacements in the public rights of way for Lowell Street, West Court Terrace, Elder Terrace, Lowell Street Place, Nourse Street, and Reservoir Road. Work will be conducted in 620 square feet of Bordering Land Subject to Flooding along Lowell Street Place.

ATTACHMENTS:

	Type	File Name	Description
▢	Reference Material	Arlington_Gas_Main_Replacement_-_RDA.pdf	Arlington Gas Main Replacement - RDA



Gas Main Replacement Project
Arlington, Massachusetts

REQUEST FOR DETERMINATION OF APPLICABILITY

Boston Gas Company

July 2022

Tighe&Bond

WO #1216594
N-5068-212-02
July 20, 2022

Arlington Conservation Commission
730 Massachusetts Avenue Annex
Arlington, Massachusetts 02476

Re: **Request for Determination of Applicability
Gas Main Replacement Project
Boston Gas Company
Lowell Street, West Court Terrace, Elder Terrace, Lowell Street Place,
Nourse Street, and Reservoir Road (Arlington)**

Dear Members of the Commission:

On behalf of Boston Gas Company, Tighe & Bond respectfully submits this Request for Determination of Applicability (RDA) for gas main replacement activities within portions of Lowell Street, West Court Terrace, Elder Terrace, Lowell Street Place, Nourse Street, and Reservoir Road in Arlington, Massachusetts. The proposed project consists of the replacement of existing gas mains within these paved public roadways.

A total of approximately 2,985 linear feet (lf) of replacement gas main is proposed in these six roadways. Of these replacement activities, approximately 310 lf (or 620 square feet (sf)) of work within Lowell Street Place is within the limits of Bordering Land Subject to Flooding (BLSF). The location of the proposed maintenance work is shown on the Site Location Map (Figure 1) in Attachment B.

This RDA is being filed for the work within BLSF. This area is subject to the Commission's jurisdiction under the Massachusetts Wetlands Protection Act (WPA, M.G.L. c. 131 § 40) as well as the Arlington Wetlands Protection Bylaw (Article 8) and their implementing regulations. All proposed work will occur within the existing paved roadways.

Please note that the gas service replacement work is considered exempt per 310 CMR 10.02(2)(a)(2) as it consists of *"activities conducted to maintain, repair or **replace**, but not substantially change or enlarge an existing and lawfully located structure or facility used in the service of the public and used to provide electric, **gas**, water, sewer, telephone, telegraph and other communication services, provided said work utilizes the best practical measures to avoid or minimize impacts to wetland resource areas outside the footprint of said structure or facility."*

These exemption criteria are recognized under Section 1-A of the Arlington Regulations for Wetlands Protection, which states: *"Only those exemptions explicitly stated in the Act and state wetland regulations at 310 CMR 10.00 apply."*

Tighe & Bond respectfully requests that the Arlington Conservation Commission issue a Negative Determination confirming that the proposed work does not require the filing of a Notice of Intent under the WPA or Article 8.

This RDA application includes the following items:

- Attachment A – WPA Form 1, Town of Arlington Fee Worksheet
- Attachment B – Figures

- Attachment C – Project Drawings (4/13/2022)
- Attachment D – Photographic Log
- Attachment E – National Grid Best Management Practice Details
- Attachment F – Abutter Information

The following text discusses the wetland resource areas, proposed activities, and proposed protective measures.

Wetland Resource Areas

Massachusetts Geographic Information System (MassGIS) data indicates that there are mapped wetland areas in proximity to the project area. A site reconnaissance of the project area was conducted by a Tighe & Bond wetland scientist on July 6, 2022, to field-verify the locations of and photograph these resource areas. Wetland resource areas and associated Buffer Zones are depicted on the attached Orthophotograph, provided as Figure 3 in Attachment B.

Bordering Land Subject to Flooding

The Federal Emergency Management Agency (FEMA) Flood Insurance Study (FIS) No. 25017CV006C, effective July 6, 2016, and Flood Insurance Rate Map (FIRM) Panel No. 25017C0416E, effective June 4, 2010, were consulted to evaluate the presence of jurisdictional BLSF within the project area. According to the FIRM, a southeastern portion of the project area (on Lowell Street Place) is within Zone AE, an area of 1% annual chance of flooding, with a base flood elevation (BFE) established at 154 feet North American Vertical Datum 1988 (NAVD88). BLSF within the project area is characterized by the paved surfaces of existing roadways and developed residential properties.

The proposed gas main replacement activity will result in temporary impacts to BLSF. However, as work areas will be backfilled and graded to pre-existing conditions, there will be no change in elevation or character of the area.

Inland Bank / Land Under Water Bodies and Waterways

The Arlington Reservoir is located west of the project area, on Lowell Street (refer to Figure 3 in Attachment B). Adjacent to the Reservoir is a sandy area maintained and utilized as a public beach. The location of the Bank of the reservoir in proximity to the project area was field verified.

At the time of the site reconnaissance, the Reservoir was noted to be dominated by water chestnut (*Trapa natans*; OBL) and duckweed (*Lemna sp.*; OBL). Additional non-dominant species identified along the edge of water included button bush (*Cephalanthus occidentalis*; OBL), black cherry (*Prunus serotina*; FACU), silver maple (*Acer saccharinum*; FACW), red maple (*Acer rubrum*; FAC), silky dogwood (*Cornus amomum*; FACW), willow (*Salix sp.*), reed canary grass (*Phalaris arundinacea*; FACW), cattail (*Typha sp.*; OBL), northern bayberry (*Morella pensylvannica*; FAC), speckled alder (*Alnus incana*; FACW), and autumn olive (*Elaeagnus umbellata*).

The proposed gas main replacement activity will not impact any portion of the Arlington Reservoir or its 100-foot Buffer Zone.

Rare Species

The Massachusetts Natural Heritage and Endangered Species Program (NHESP) Atlas (15th edition, effective August 2021) was reviewed during the preparation of this RDA. The project area does not fall within *Priority Habitats of Rare Species* or *Estimated Habitats of Rare Wildlife* as shown on Figure 2 in Attachment B.

Proposed Activities

The proposed project consists of the installation of approximately 2,985 lf of gas main within existing roadways, as depicted on the Project Drawings in Attachment C. Table 1, below, describes the proposed work.

TABLE 1
Summary of Gas Main Replacements

Street	Gas Main Maintenance (linear feet)	Maintenance	Work within 100-foot Buffer Zone ¹	Work within BLSF ¹
Lowell Street, from Summer Street to 118 Lowell Street	1,790 lf	Replacement of 4-inch and 8-inch gas main with 4-inch, 60 psig plastic	No	No
West Court Terrace from Lowell Street to 16 West Court Terrace	200 lf	Replacement of existing 4-inch gas main with 2-inch, 60 psig plastic	No	No
Elder Terrace from Lowell Street to 25 Elder Terrace	130 lf	Replacement of existing 2-inch gas main with 2-inch, 60 psig plastic	No	No
Nourse Street from Lowell Street to 24 Nourse Street	340 lf	Replacement of existing 4-inch gas main with 2-inch, 60 psig plastic	No	No
Reservoir Road from Nourse Street to 15 Reservoir Road	215 lf	Replacement of existing 2-inch gas main with 2-inch, 60 psig plastic	No	No
Lowell Street Place from Lowell Street to 23 Lowell Street Place.	310 lf	Replacement of existing 4-inch gas main with 2-inch, 60 psig plastic	No	Yes

¹ Per the WPA

The proposed gas main replacement work will require the excavation of approximately two-foot-wide trenches for installation. The trench bottoms will be excavated and graded so that the pipes will be supported for their entire lengths on undisturbed bottom at a depth of approximately three feet below surface grade. Upon the completion of work, the trenches will be backfilled, and the site will be restored to pre-existing grades. The previous gas mains will be purged and abandoned in place. Refer to the Project Drawings in Attachment C for additional details.

The areas where the work is proposed consist of existing paved roadways. The proposed work will not change the general characteristics of the area including grades, as the entire project is limited to previously developed and disturbed areas.

Protective Measures

Work will be conducted in accordance with National Grid's EG-303NE Best Management Practices document. Please refer to Attachment E for further details. During the gas line construction, erosion control measures (e.g., straw bales, silt fence, straw wattles, catch basin silt sack inserts) will be installed as deemed necessary.

Application Requirements

Abutters within 100 feet of the project areas were notified in accordance with Section 8 of the Arlington Regulations for Wetlands Protection. The abutter notification form, certified list of abutters, and affidavit of service are provided in Attachment F.

Summary

We look forward to having the opportunity to discuss this project with the Arlington Conservation Commission at the next available public hearing on August 4, 2022. We anticipate these materials are sufficient for the Commission to issue a Negative Determination confirming the proposed project may proceed without the filing of an NOI.

Should you have any questions regarding this application or require any additional information, please do not hesitate to contact me at (413) 572-3224 or via email at MPCoady@tighebond.com. Thank you in advance for your attention to this matter.

Respectfully,

TIGHE & BOND, INC.

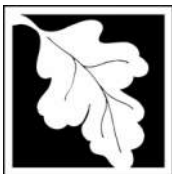


Melissa P. Coady
Project Manager

Enclosures

Copy: MassDEP Northeast Regional Office - Division of Wetlands and Waterways
Jaime Walker, National Grid

ATTACHMENT A



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Arlington
City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. General Information

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:

Boston Gas Company (c/o Jaime Walker)

Jaime.Walker@nationalgrid.com

Name

E-Mail Address

40 Sylvan Road

Mailing Address

Waltham

MA

02451

City/Town

State

Zip Code

(978) 551-1156

Phone Number

Fax Number (if applicable)

2. Representative (if any):

Tighe & Bond, Inc.

Firm

Melissa Coady

MPCoady@tighebond.com

Contact Name

E-Mail Address

53 Southampton Road

Mailing Address

Westfield

MA

01085

City/Town

State

Zip Code

(413) 572-3224

Phone Number

Fax Number (if applicable)

B. Determinations

1. I request the Arlington make the following determination(s). Check any that apply:
Conservation Commission

- ☐ a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- ☐ b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- ☒ c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- ☒ d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

Arlington

Name of Municipality

- ☐ e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

Lowell Street, West Court Terrace, Elder Terrace,
Lowell Street Place, Nourse Street, Reservoir Road
N/A - Roadway Right-of-Way (ROW)
Assessors Map/Plat Number

Arlington
City/Town
N/A - Roadway ROW
Parcel/Lot Number

- b. Area Description (use additional paper, if necessary):

The project area is located with the paved public ROW of the streets listed above. Refer to the attached cover letter and figures for additional detail.

- c. Plan and/or Map Reference(s):

Figure 1 - Site Location Map

Title

7/8/2022

Date

Figure 2 - Priority Resources Map

Title

7/8/2022

Date

Figure 3 - Orthophotograph

Title

7/8/2022

Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

The proposed work consists of replacing existing subsurface gas mains within portions of Lowell Street, West Court Terrace, Elder Terrace, Lowell Street Place, Nourse Street, and Reservoir Road in Arlington. Please refer to the cover letter for more details.



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

Arlington

City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

310 CMR 10.02(2)(a)(2) / 310 CMR 10.02(2)(b)(2)(i) / M.G.L. chapter 131 § 40 first paragraph - Activities conducted to maintain, repair or replace, but not substantially change or enlarge an existing and lawfully located structure or facility used in the service of the public and used to provide electric, gas...

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- ☐ Single family house on a lot recorded on or before 8/1/96
- ☐ Single family house on a lot recorded after 8/1/96
- ☐ Expansion of an existing structure on a lot recorded after 8/1/96
- ☐ Project, other than a single-family house or public project, where the applicant owned the lot before 8/7/96
- ☐ New agriculture or aquaculture project
- ☐ Public project where funds were appropriated prior to 8/7/96
- ☐ Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- ☐ Residential subdivision; institutional, industrial, or commercial project
- ☐ Municipal project
- ☐ District, county, state, or federal government project
- ☐ Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

Arlington

City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Town of Arlington

Name

730 Massachusetts Avenue Annex

Mailing Address

Arlington

City/Town

MA

State

02476

Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 40A(2)(b)(4) of the Wetlands Protection Act regulations.

Jaime Walker
M. C. Coy

7/15/2022

Date

7/15/2022

Date

Signature of Representative (if any)

Bylaw Filing Fees and Transmittal Form

Rules:

1. Fees are payable at the time of filing the application and are non-refundable.
2. Fees shall be calculated per schedule below.
3. Town, County, State, and Federal Projects are exempt from fees.
4. These fees are in addition to the fees paid under M.G.L. Ch. 131, s.40 (ACT).

Fee Schedule (ACC approved 1/8/15):

\$	No./Area	Category
150.00	1	(R1) RDA - \$150 local fee, no state fee
		(N1) Minor Project - \$200 (house addition, tennis court, swimming pool, utility work, work in/on/or affecting any body of water, wetland or floodplain).
		(N2) Single Family Dwelling - \$600
		(N3) Multiple Dwelling Structures - \$600 + \$100 per unit all or part of which lies within 100 feet of wetlands or within land subject to flooding.
		(N4) Commercial, Industrial, and Institutional Projects - \$800 + 50¢/s.f. wetland disturbed; 2¢/s.f. land subject to flooding or buffer zone disturbed.
		(N5) Subdivisions - \$600 + \$4/l.f. feet of roadway sideline within 100 ft. of wetlands or within land subject to flooding.
		(N6) Other Fees - copies, printouts; per public records law
		(N7) Minor Project Change - \$50
		(N8) Work on Docks, Piers, Revetments, Dikes, etc - \$4 per linear foot
		(N9) Resource Boundary Delineation (ANRAD) - \$1 per linear foot
		(N10) Certificate of Compliance (COC or PCOC) - No charge if before expiration of Order, \$200 if after that date.
		(N11) Amendments - \$300 or 50% of original local filing fee, whichever is less.
		(N12) Extensions -
		a. Single family dwelling or minor project - \$100.
		b. Other - \$150.
		(N13) Consultant Fee -per estimate from consultant
	TOTAL	\$150.00

Note: Submit this form along with the forms submitted for the ACT - the "Wetlands Filing Fee Calculations Worksheet," and the "Notice of Intent Fee Transmittal Form."

Tighe & Bond, Inc.
53 Southampton Road
Westfield, MA 01085

This is a Deluxe eCheck. The PAY TO THE ORDER OF line designates the Payee. For questions call Deluxe Payment Exchange customer support at 877-373-6964. Ref: 9E5F-1480

6012

Date 07/13/2022
Void after 90 days

PAY TO THE ORDER OF Town of Arlington

\$ 150.00

One hundred fifty and 00/100

Dollars

TD Bank, NA

Memo

Verify check at <https://echecks.com/verify>**FILE COPY**

Account numbers are concealed for your security

FILE COPY

Check Details

Check issued: 07/13/2022**Check number:** 6012**From:** Tighe & Bond, Inc.**Amount:** \$150.00**Payable to:** Town of Arlington**Delivered to:** jnovotny@tighebond.com**Documents:** Yes - see Remittance below

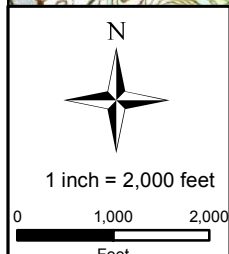
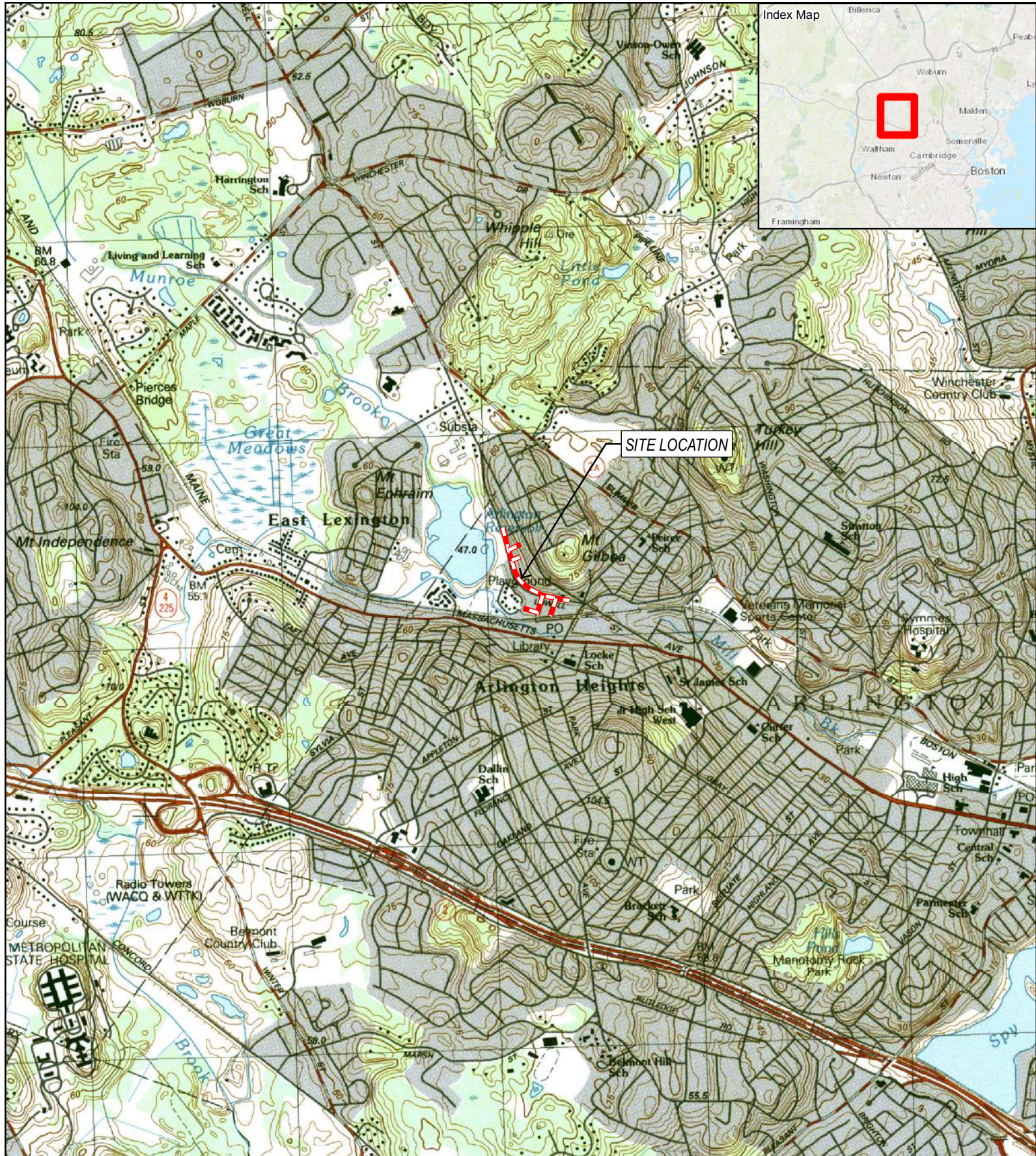
Message from sender: Hi, attached is your Tighe & Bond electronic check. Any questions please email AP@tighebond.com.

Notes

Activity

ACTIVITY TYPE	TIME	DATE
Tracy Houle issued check 6012	12:42 PM EDT	07/13/2022
Check 6012 file copy printed by Julia Novotny	09:19 AM EDT	07/14/2022

ATTACHMENT B

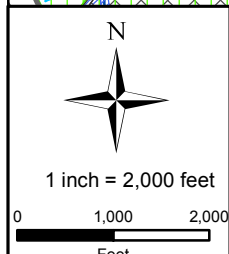
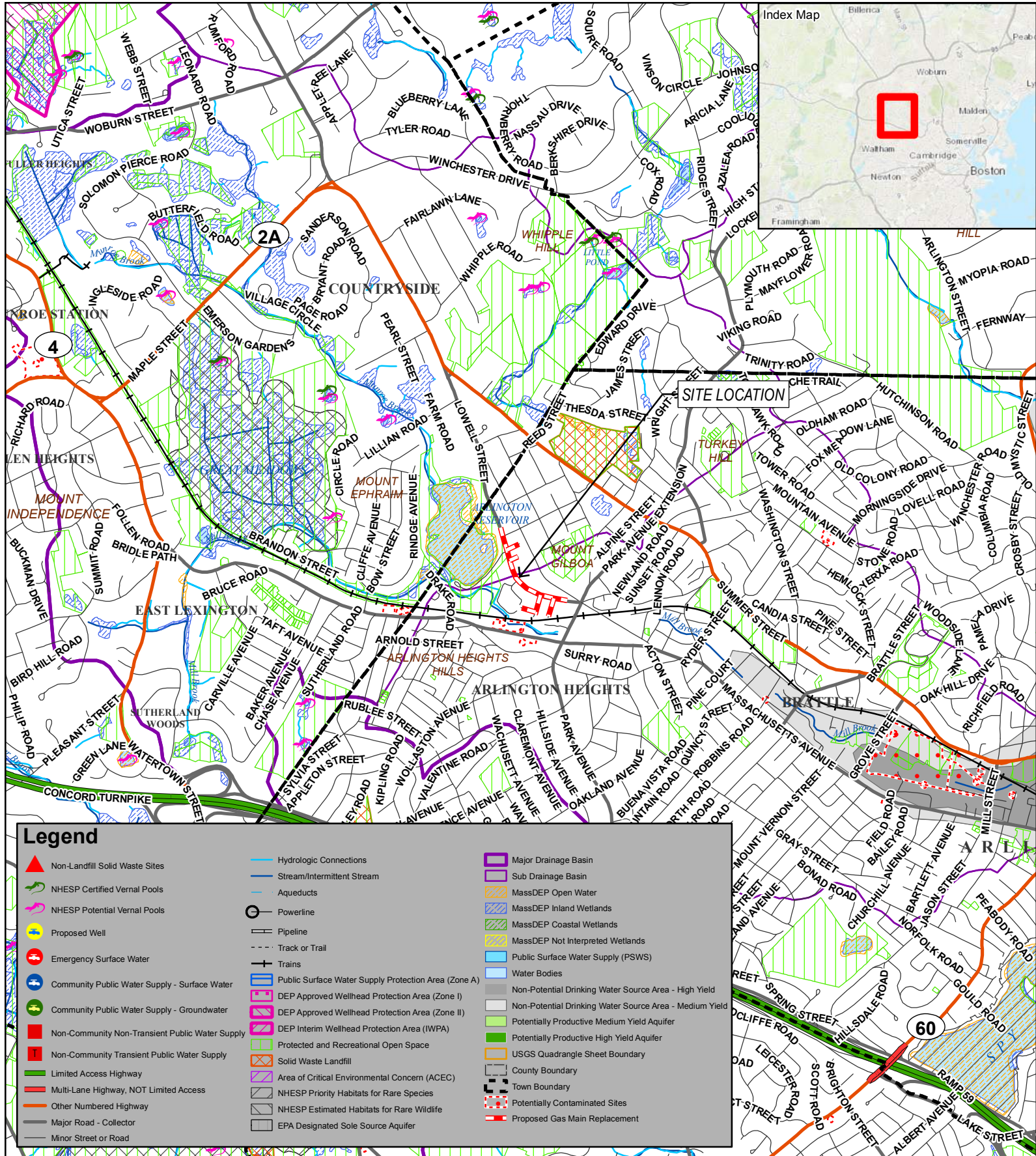


PROPOSED GAS MAIN REPLACEMENT

Site Location

Lowell Street, West Court Terrace, Elder Terrace,
Lowell Street Place, Nurse Street, & Reservoir Road, Arlington, MA
Figure 1

Based on USGS Topographic
Map for
Lexington, MA Revised 1985.
Contour Interval Equals Meters.



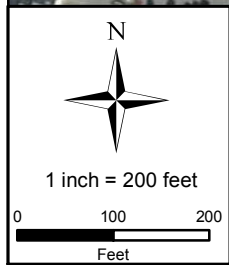
PROPOSED GAS MAIN REPLACEMENT

Priority Resources

Lowell Street, West Court Terrace, Elder Terrace,
Lowell Street Place, Nourse Street, & Reservoir Road, Arlington, MA

Figure 2

Data source: Bureau of Geographic Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Technology. Circles indicate 500-foot and half-mile radii. Data valid as of July 2022.



PROPOSED GAS MAIN REPLACEMENT

Orthophotograph

Lowell Street, West Court Terrace, Elder Terrace,
Lowell Street Place, Nourse Street, & Reservoir Road, Arlington, MA

Figure 3

ATTACHMENT C

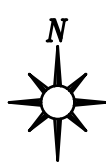


118 - 269 LOWELL ST, 10-24 NOURSE ST, & RESERVOIR RD
GAS MAIN REPLACEMENT
2" W.I., 4" C.I., 2", 4", & 8" PL L.P. TO 2" & 4" PL (60 PSIG)
(118 - 269) LOWELL ST, (10 - 24) NOURSE ST, LOWELL ST PL, RESERVOIR RD,
ELDER TER, & W COURT TER, ARLINGTON, MA & LEXINGTON, MA
W.O. NO.: 1216594

PIPE TOTALS			
DIAMETER	MATERIAL	ABANDONED	INSTALLED
2"	PL	130 LF	1195 LF
2"	WI	215 LF	--
4"	CI	2725 LF	--
4"	PL	580 LF	2945 LF
8"	PL	490 LF	--



INDEX OF SHEETS		
SHEET	NAME	TITLE
1	DDS-ARL-71220076 G-001	COVER - LOCATION MAP
2	DDS-ARL-71220076 G-002	CONSTRUCTION NOTES
3	DDS-ARL-71220076 G-003	CONSTRUCTION NOTES & BILL OF MATERIALS
4	DDS-ARL-71220076 C-001	OVERALL SCOPE OF WORK
5	DDS-ARL-71220076 C-002	LAYOUT SHEET
6	DDS-ARL-71220076 C-003	LAYOUT SHEET
7	DDS-ARL-71220076 C-004	LAYOUT SHEET
8	DDS-ARL-71220076 C-101	TIE-IN & ABANDONMENT DETAILS
9	DDS-ARL-71220076 C-201	PROCEDURE
10	DDS-ARL-71220076 C-301	REGULATOR STATION FLOW DIAGRAM
11	DDS-ARL-71220076 C-302	STANDARD DETAILS
12	DDS-ARL-71220076 C-303	STANDARD DETAILS
13	DDS-ARL-71220076 C-304	STANDARD DETAILS



LOCATION MAP

LAT/LON: 42°25'33.852"N, 71°11'2.4"W
ARLINGTON, MA
SCALE: 1:300



45 HENDRIX ROAD
WEST HENRIETTA, NY 14586
PHONE (585) 359-7540
FAX (585) 359-7541

BOSTON GAS COMPANY
d/b/a
nationalgrid
40 SYLVAN ROAD
WALTHAM, MA 02451

IFC

PE STAMP:

A	ISSUED FOR CONSTRUCTION	05/23/2022	WMK	KMC	MEP
NO.	DESCRIPTION	DATE	DR.BY	CK.BY	APP.BY

118-269 LOWELL ST, 10-24 NOURSE ST, & RESERVOIR RD
GAS MAIN REPLACEMENT
LOWELL ST, NOURSE ST, RESERVOIR RD, WESTMORELAND AVE, LOWELL ST PL,
ELDER TER, & W COURT TER, ARLINGTON, MA & LEXINGTON, MA

COVER - LOCATION MAP

DWG SIZE	DESIGNER	ENGINEER	DATE:	ASSET I.D.	W.O. NO.:
22"x34"	DDS COMPANIES	W. KOZEMKO	05/23/2022	XXXXXXXX	1216594

PAGE 01 OF 13

DRAWING NO.	SHEET NO.
G-001	01

- APRX 2220 FEET OF 4 INCH LP CAST IRON (1914), APRX 10 FEET OF LP PLASTIC (2006), APRX 20 FEET OF 4 INCH LP PLASTIC (2006), APRX 40 FEET OF 4 INCH LP PLASTIC (2012), APRX 165 FEET OF 4 INCH LP CAST IRON (1914) AND APRX 490 FEET OF 8 INCH LP PLASTIC (2001) WITH APRX 2945 FEET OF 4 INCH 60 PSIG PLASTIC IN LOWELL ST FROM THE EXST 4 INCH 60 PSIG PLASTIC AT #36 LOWELL ST (ACROSS THE LEX BORDER) TO #118 LOWELL ST [CUT AND CAP THE EXST 8 INCH LP PLASTIC AT #118 LOWELL ST]
- APRX 200 FEET OF 4 INCH LP PLASTIC (1993) WITH APRX 200 FEET OF 2 INCH 60 PSIG PLASTIC IN W COURT TER FROM LOWELL AVE TO END OF MAIN AT #16 W COURT TER
- APRX 130 FEET OF 2 INCH LP PLASTIC (1992) WITH APRX 130 FEET OF 2 INCH 60 PSIG PLASTIC IN ELDER TER FROM LOWELL AVE TO END OF MAIN AT #25 ELDER TER
- APRX 340 FEET OF 4 INCH LP CAST IRON (1925) WITH APRX 340 FEET OF 2 INCH 60 PSIG PLASTIC IN NOURSE ST FROM LOWELL ST TO THE END OF MAIN AT #24 NOURSE ST
- APRX 215 FEET OF 2 INCH, LP WROUGHT IRON (1915) WITH APRX 215 FEET OF 2 INCH, 60 PSIG PLASTIC IN RESERVOIR RD FROM NOURSE ST TO THE END OF MAIN AT #15 RESERVOIR RD
- APRX 310 FEET OF 4 INCH LP PLASTIC (1995) WITH APRX 310 FEET OF 2 INCH 60 PSIG PLASTIC IN LOWELL ST PL FROM LOWELL ST TO END OF MAIN AT #23 LOWELL ST PL

1 MAIN CONNECTION & 3 CUT-OUTS

NO FIELD CHANGES SHALL BE MADE TO THIS PLAN WITHOUT PREVIOUS APPROVAL OF THE PROJECT ENGINEER.

ENGINEER: EVAN GEORGE

PHONE: (774) 245-8019

EMAIL: EVAN.GEORGE@NATIONALGRID.COM

2. NEW MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE TYPICAL TRENCH DETAIL INCLUDED IN THESE DRAWINGS, UNLESS NOTED OTHERWISE.
 - A. 36 INCHES OF COVER FROM FINAL GRADE WHERE PRACTICAL
 - B. STATE HIGHWAY MINIMUM COVER: 36 INCHES
 - C. DISTRIBUTION MAIN MINIMUM COVER: 24 INCHES
 - D. SAND PADDING IN ALL DIRECTIONS, 6 INCHES MINIMUM.
 - E. CAUTION TAPE SHALL BE INCLUDED ONE FOOT BELOW GRADE.
3. SERVICES SHOULD BE INSTALLED WITH 24 INCHES OF COVER.
 - A. MINIMUM IN PUBLIC ROW: 18 INCHES
 - B. MINIMUM IN PRIVATE PROPERTY: 12 INCHES
 - C. SAND PADDING IN ALL DIRECTIONS, 6 INCHES MINIMUM.
 - D. CAUTION TAPE SHALL BE INCLUDED ONE FOOT BELOW GRADE.
4. REFER TO CNST-6030 FOR SHALLOW MAINS. PRIOR TO INSTALLING GAS MAINS WITH LESS THAN 24 INCHES OF COVER, COMPLETE REQUEST FOR WAIVER FORM AND CONTACT GAS PIPELINE SAFETY & COMPLIANCE FOR APPROVAL:
 - A. JENNIFER GILLIS - (617) 594-5157 (MA EXCLUDING CAPE AND WEBSTER)
 - B. LIEN GAUTHIER - (617) 438-9069 (MA EXCLUDING CAPE AND WEBSTER)
 - C. IF A PROPOSED TOP TEE CONNECTION RESULTS IN A SHALLOW MAIN THAT CANNOT MEET THE WAIVER CRITERIA, A FULL TEE CONNECTION IS AN ACCEPTABLE ALTERNATIVE. A SPHERICAL TEE IS ONLY ACCEPTABLE WITH APPROVAL FROM NATIONAL GRID STRATEGIC ASSET AND SYSTEM PLANNING.
5. ALL MAINS SHOULD BE INSTALLED WITH A CLEARANCE OF 12 INCHES FROM OTHER FACILITIES.
 - A. DISTRIBUTION MINIMUM CLEARANCE: 6 INCHES
 - B. APPROPRIATE PROTECTIVE MEASURES SHALL BE USED TO PROTECT THE GAS FACILITY IF MINIMUMS CANNOT BE ATTAINED. APPROVAL IS REQUIRED BY GAS SYSTEMS ENGINEERING.
6. THE PIPE ALIGNMENT IS SHOWN FOR REFERENCE ONLY AS APPROXIMATELY 3 FEET FROM THE EXISTING MAIN (BASED ON AVAILABLE RECORD INFORMATION). THE ACTUAL ROUTE AND ALL VERTICAL AND HORIZONTAL OFFSETS ARE TO BE FIELD ROUTED WITHIN THE PUBLIC RIGHT-OF-WAY BASED ON THE ACTUAL LOCATION OF EXISTING UTILITIES. ADDITIONAL FITTINGS NOT SHOWN WILL BE REQUIRED.
 - A. ELBOWS SHOWN ARE ASSUMED TO BE 45 DEGREES IN MOST APPLICATIONS. 90 DEGREE ELBOWS MAY BE NEEDED BASED ON FIELD CONDITIONS.
7. VALVES DEPICTED IN THE DESIGN ARE THE MINIMUM REQUIRED FOR SECTIONALIZING, ISOLATION, CRITICAL VALVES, AND/OR TO ACCOMMODATE TIE-INS. ADDITIONAL FULL PORT VALVES MAY BE ADDED TO ACCOMMODATE CONSTRUCTION.
 - A. VALVES FOR BRANCHES AT INTERSECTIONS SHOULD BE FIELD LOCATED JUST OUTSIDE OF THE INTERSECTION WHERE EASILY ACCESSIBLE, PRIOR TO THE FIRST SERVICE.
8. ELECTROFUSION COUPLINGS MAY BE INTERCHANGED WITH BUTT FUSION WHERE APPLICABLE.
9. TIE-IN LOCATIONS MAY VARY UP TO 100 FEET OF THE PROPOSED LOCATION TO ACCOMMODATE CONSTRUCTION, EXCEPT FOR WHEN THE FOLLOWING CONDITIONS APPLY:
 - A. REGULATOR STATION WITHIN THE SCOPE OF THE JOB OR WITHIN 200 FEET OF THE TIE-IN LOCATION.
 - B. CHANGE TO THE NUMBER OF CONNECTIONS (ADDITIONAL ADDED FROM AN INTERSECTION OR OTHERWISE).
 - C. MATERIAL/SIZE CHANGE AT NEW LOCATION.
10. NOT ALL BYPASSES, GAUGES, PURGES AND OTHER MISCELLANEOUS FITTINGS ARE SHOWN. CONSTRUCTION SHALL INSTALL THESE FITTINGS AS NEEDED IN ACCORDANCE WITH THE APPROVED SOP.
11. WHEN CONNECTING NEW 'DEAD' MAIN TO NEW 'DEAD' MAIN: AS LONG AS THE CONNECTION BRANCH SIZE SHOWN IN THE DRAWINGS CAN BE ACHIEVED, THE FOLLOWING CONNECTION TYPES ARE ACCEPTED AND INTERCHANGEABLE:
 - A. INLINE TEE
 - B. PLASTIC HIGH VOLUME TAPPING TEE (2" BRANCH SIZE OR LESS)
 - C. PLASTIC BRANCH SADDLE (WITH MAIN CUTTER SIZE SHOWN IN NATIONAL GRID POLICIES)
 - D. STEEL THREE-WAY TEE (WITH MAIN CUTTER SIZE SHOWN IN NATIONAL GRID POLICIES)
12. THE LIVE MAIN CONNECTION DETAIL SHOWN IN THE DRAWINGS SHALL BE FOLLOWED. ANY CHANGES TO THE TIE IN CONNECTION TYPE SHALL BE APPROVED BY THE NATIONAL GRID ENGINEER PRIOR TO CONSTRUCTION.
13. WHEN RELAYING A LOWER PRESSURE MAIN WITH A HIGHER PRESSURE MAIN, ALL SERVICES SHALL BE RELAYED OR INSERTED.
14. PIPE AND FITTING QUANTITY DESCRIBED IN SCOPE MAY VARY FROM AMOUNTS SHOWN ON THE BILL OF MATERIALS TO ACCOMMODATE FIELD CONDITIONS AND CONSTRUCTION.
15. CONTRACTOR TO REFER TO NATIONAL GRID SERVICE RECORD INFORMATION, ASSOCIATED CONSTRUCTION STANDARDS AND NATIONAL GRID INSTRUCTION FOR ALL SERVICE WORK WITHIN THE SCOPE OF LIMITS OF THIS PROJECT.
16. ANY FITTINGS (SUCH AS BUT NOT LIMITED TO, PURGES, VENTS & GAUGES) WHICH ARE REPRESENTED ON THESE PLANS AND DETAILS WITHOUT AN ASSOCIATED PART ON THE BILL OF MATERIALS ARE TO BE SIZED AND SELECTED PER CURRENT NATIONAL GRID STANDARDS BY THE CONTRACTOR.
17. THE CONTRACTOR SHALL CALL DIG-SAFE (DIAL 811) OR 888-344-7233 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. SATURDAYS, SUNDAYS AND HOLIDAYS ARE EXCLUDED.

18. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND STRUCTURES DEPICTED OR NOT DEPICTED ON THIS PLAN PRIOR TO COMMENCEMENT OF CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PHYSICALLY LOCATE ON-SITE UTILITIES THROUGH TEST PIT EXCAVATION OF SAID UTILITIES W/ PRIOR AUTHORIZATION FROM UTILITY OWNER.
19. NOTIFY NATIONAL GRID 1&R IF THE PROJECT IS WITHIN 200 FEET OF A REGULATOR STATION.
20. DIMENSIONS SHOWN ILLUSTRATE THE INTENT OF MAIN PLACEMENT. SLIGHT VARIATIONS ARE EXPECTED. ANY SIGNIFICANT CHANGE NEEDS TO BE BROUGHT TO THE OWNERS (NATIONAL GRID) ATTENTION PRIOR TO PLACEMENT.
21. CONTRACTOR TO VERIFY PRESSURE AND GAS FEED DIRECTION OF EXISTING MAINS, NEW MAINS, AND MAINS TO BE ABANDONED PRIOR TO ANY AND ALL THE INS BEING PERFORMED.
22. LOCATION OF ANY IDENTIFIED UNDERGROUND UTILITIES IS APPROXIMATE ONLY, AND IS NOT WARRANTED TO BE CORRECT. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT INDICATED ON THESE PLANS. ALL EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR FOR SERVICE, SIZE, INVERT ELEVATIONS, LOCATION, ETC.
23. THE CONTRACTOR SHALL PROTECT AND MAINTAIN DIG SAFE FIELD MARKS, ANY EXISTING PROPERTY LINE MONUMENTATION OR OTHER EXISTING SURVEY STAKES OR FIELD MARKS. THE CONTRACTOR SHALL REPLACE AT THEIR EXPENSE ANYTHING DISTURBED OR DESTROYED.
24. THE CONTRACTOR SHALL COMPLETE MISCELLANEOUS WORK NOT SPECIFICALLY SHOWN ON THE CONTRACT DRAWINGS SUCH AS PAVEMENT PATCHING, TRENCH & EQUIPMENT BLOCKING, TREE TRIMMING, ETC.
25. ANY SUBSURFACE UTILITIES, STRUCTURES AND/OR FIXED OBJECTS SHOWN AT, BELOW OR ABOVE GRADE SHOWN ON THESE PLANS HAVE BEEN PLACED BASED ON AVAILABLE RECORD MAPING, AERIAL IMAGERY AND OTHER DESIGN RESOURCES. CONTRACTOR IS WARNED THAT EXACT OR APPROXIMATE LOCATION OF SUBSURFACE UTILITIES, STRUCTURES AND/OR FIXED OBJECTS SHOWN AT, BELOW OR ABOVE GRADE IN THE PROJECT MAY DIFFER FROM THAT SHOWN OR MAY NOT BE SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO PERFORM FIELD VERIFICATION PRIOR TO EXECUTING ANY WORK.
26. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST NATIONAL GRID, APPLICABLE STATE DOT AND LOCAL MUNICIPAL STANDARDS.
27. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ALL AREAS IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
28. ALL NECESSARY PRECAUTION FOR THE SAFETY OF THE PUBLIC SHALL BE TAKEN. ALL BARRIERS, WARNING LIGHTS AND OTHER DEVICES AND EQUIPMENT REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES SHALL BE MAINTAINED.
29. CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO ALL OTHER EXISTING UTILITIES. DAMAGED UTILITIES SHALL BE IMMEDIATELY REPAIRED BY CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
30. CONTRACTOR MAY INSTALL ADDITIONAL VALVES NOT SHOWN IN THE PLANS IF DEEMED NECESSARY IN THE FIELD. NEW VALVES ASSOCIATED WITH THE INS (SEE DETAILS ON SHEET 8) MUST BE INSTALLED PER THE DETAIL. FINAL LOCATION OF THE NEW VALVES IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. ANY SIGNIFICANT CHANGE MUST BE BROUGHT TO THE OWNERS (NATIONAL GRID) ATTENTION PRIOR TO INSTALLATION.
31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUAINTING WITH THE CONDITIONS FOR THE SITE AND FOR ESTIMATING PROPERLY THE DIFFICULTY AND COST TO SUCCESSFULLY PERFORM THE WORK.
32. NATIONAL GRID RESERVES THE RIGHT TO EXAMINE ANY WORK DONE ON THIS PROJECT AT ANY TIME TO DETERMINE THE CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OF THIS PROJECT, AS INTENDED AND INTERPRETED BY NATIONAL GRID.

1. DESIGN IN ACCORDANCE WITH THE FOLLOWING:
 - A. ENGO2001: DESIGN OF GAS SERVICES
 - B. ENGO4001: DESIGN OF DISTRIBUTION MAINS
 - C. ENGO4010: DESIGN REQUIREMENTS FOR INSTALLATION OF CASINGS
2. PROPOSED PIPING:
 - A. DESIGN CLASS LOCATION: 4
 - B. NOMINAL SIZE: 2 & 4 INCH
 - C. MATERIAL: MDPE
 - D. MAOP: 60 PSIG
3. PIPE SIZE DETERMINED BY NATIONAL GRID STRATEGIC ASSET AND SYSTEM PLANNING

1. CONTRACTOR SHALL CALL DIGSAFE (DIAL 811 OR 888-344-7233) AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. SATURDAYS, SUNDAYS, AND HOLIDAYS ARE EXCLUDED.
2. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND STRUCTURES DEPICTED OR NOT DEPICTED ON THIS DESIGN PRIOR TO CONSTRUCTION.
3. NOTIFY NATIONAL GRID I&R IF THE PROJECT IS WITHIN 200 FEET OF A REGULATOR STATION.
4. INSTALL MAIN AS INDICATED IN SCOPE OF WORK.
5. PRESSURE TEST (SEE PRESSURE TESTING SECTION).
6. MAKE CONNECTION IN DETAIL A.
7. PURGE NEW MAIN INTO SERVICE.
8. ODORIZE AS REQUIRED.
9. RELAY SERVICES TO NEW MAIN.
10. COMPLETE CUT-OUTS IN DETAILS B, C, & D.
11. PURGE OLD MAIN OUT OF SERVICE AND ABANDON.
12. PERFORM RESTORATION.

WORK SHALL CONFORM TO ALL LOCAL, STATE, AND FEDERAL CODES IN ADDITION TO NATIONAL GRID GAS POLICIES AND WORK METHODS. WHERE ANY CONFLICTS OF CODES, STANDARDS AND REGULATIONS MAY EXIST, THE MORE STRINGENT CODE, STANDARD, OR REGULATION SHALL APPLY.

2. ALL REFERENCES SHALL BE IN ACCORDANCE WITH THE MOST CURRENT REVISION AVAILABLE AT THE TIME OF CONSTRUCTION.

3. FEDERAL & STATE:

- A. TITLE 49: PART 192 TRANSPORTATION OF NATURAL AND OTHER GAS BY PIPELINE: MINIMUM FEDERAL SAFETY STANDARDS
- B. 220 CMR: DEPARTMENT OF PUBLIC UTILITIES
100.00 – 113.00: MASSACHUSETTS GAS DISTRIBUTION CODE
- C. AMERICAN SOCIETY OF MECHANICAL ENGINEERS
B31.8: GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS
- D. 248 CMR 4-7: MA FUEL GAS CODE

4. CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH NATIONAL GRID GAS POLICIES AND WORK METHODS, INCLUDING BUT NOT LIMITED TO:

- A. CNST01003: BACKFILL AND RESTORATION
- B. CNST01005: PREPARATION OF GAS FACILITY HISTORICAL RECORDS
- C. CNST01006: COMMERCIALLY AVAILABLE SHORING SYSTEMS
- D. CNST02014: ENCAPSULATING CAST IRON JOINTS
- E. CNST03001: SQUEEZE-OFF OPERATIONS
- F. CNST03002: STOP-OFF OPERATIONS ON LOW PRESSURE MAINS
- G. CNST03005: PURGING REQUIREMENTS FOR GAS PIPELINES
 - a. CNST03006: PURGING OPERATIONS – DIRECT DISPLACEMENT
 - b. CNST03007: PURGING OPERATIONS – COMPLETE INERT FILL
 - c. CNST03008: PURGING OPERATIONS – SLUG METHOD
- H. CNST03014: STOP OFF OPERATIONS FOR KLEISS EQUIPMENT
- I. CNST04005: INSTALLING STEEL DISTRIBUTION MAINS
- J. CNST04007: FIELD COLD BENDING OF LINE PIPE
- K. CNST04008: INSTALLING PLASTIC MAINS
- L. CNST04011: ABANDONMENT OF MAINS
- M. CNST04012: GROUTING ABANDONED PIPELINES
- N. CNST04030: RAISING MAIN AND SERVICE GATE BOXES
- O. CNST05001: JOINING OF PLASTIC PIPE
- P. CNST5010: GENERAL CONSTRUCTION REQUIREMENTS AND PIPE HANDLING
- Q. DAM01011: EXCAVATION AND EXCAVATION NOTIFICATION REQUIREMENTS FOR UNDERGROUND FACILITIES FOR MASSACHUSETTS AND RHODE ISLAND
- R. DAM01015: LOCATE AND MARK-OUT REQUIREMENTS FOR UNDERGROUND GAS FACILITIES
- S. DAM01016: LOCATE AND MARK-OUT OF UNDERGROUND FACILITIES
- T. GCON02001: SYSTEM OPERATING PROCEDURE (SOP)
- U. GEN01100: OPERATOR QUALIFICATION PLAN
- V. GEN03002: PROCESSING GAS MAIN AND NEW SERVICE WORK PACKAGES
- W. GEN03004: CHANGE CONTROL PROCEDURE FOR STANDARD CONSTRUCTION PROJECTS
- X. INR06002: SUPPLEMENTAL ODORIZATION FOR NEW PIPING
 - NOTIFY I&R FOR PROJECTS IN EXCESS OF 2500 FEET. ODOR MONITORING AND/OR SUPPLEMENTAL ODORIZATION MAY BE REQUIRED
- Y. MAINS030: INSTALLATION OF POLYETHYLENE PIPE
- Z. MECH5010: JOINTS OTHER THAN WELDED
- AA. 030018-CS: SPECIFICATION AND HANDLING OF TRAFFIC PLATES
- AB. CNST01001: HORIZONTAL DIRECTIONAL DRILLING
- AC. CNST03011: NO-INTERRUPT SERVICE TRANSFER
- AD. CNST6061: TRACER WIRE INSTALLATIONS FOR PLASTIC MAINS AND SERVICES
- AE. MECH6010: CONNECTION OF DISSIMILAR POLYETHYLENE PLASTIC PIPE WITH ELECTROFUSION OR MECHANICAL COUPLING
- AF. CS-CNST002: TYPICAL UTILITY CROSSING AND TRENCH GUIDELINES



5. SERVICE SPECIFIC CONSTRUCTION STANDARDS, GAS POLICIES AND WORK METHODS:

- A. CMS03002: CUSTOMER METER AND SERVICE REGULATOR DESIGN AND INSTALLATION POLICY
- B. CMS04002: PURGING PROCEDURES FOR CUSTOMER METER SERVICES
- C. CNST03011: NO-INTERRUPT SERVICE TRANSFER
- D. CNST06002: INSTALLING DISTRIBUTION SERVICES
- E. CNST06003: INSTALLATION & MAINTENANCE POLICY FOR CURB VALVES ON SERVICE LINES WITH INSTALLED METER CAPACITIES OVER 1,000 SCFH THAT DON'T HAVE EXCESS FLOW VALVES
- F. CNST06009: METER/SERVICE RELOCATION GUIDELINE
- G. CNST06020: COMPLETION AND PROCESSING OF GAS SERVICE RECORD CARDS
- H. CNST06030: NOTIFICATION OF CUSTOMERS INVOLVED IN THE INTERRUPTION OF GAS SERVICE
- I. CS-SERV001: TYPICAL 1/2" SERVICE OUTSIDE SETS
- J. CS-SERV002: TYPICAL 1" SERVICE OUTSIDE SETS
- K. CS-SERV003: TYPICAL 1-1/4" SERVICE OUTSIDE SETS
- L. CS-SERV004: TYPICAL 2" SERVICE
- M. CS-SERV005: EXCESS FLOW VALVE REQUIREMENTS ON HP SERVICES
- N. CS-SERV009: TYPICAL 1/2" SERVICE INSIDE SETS
- O. CS-SERV010: TYPICAL 1" SERVICE INSIDE SETS
- P. HTAP-6010: NO-INTERRUPT 1 INCH CTS AND 1-1/4 INCH CTS SERVICE TRANSFER (NIST) LP TO 60 PSIG MAINS
- Q. SERV-5075: RELOCATION OF METER SET ASSEMBLIES INSIDE TO OUTSIDE
- R. SERV6076: 1-1/4" LP PLASTIC SERVICE WITH 1 AL-250 TC METER
- S. SERV6077: 1-1/4" CTS LP PLASTIC INSERT WITH 1 AL-250 TC EQUIV. METER INSIDE
- T. SERV-6185: HOT TAPPING MD BRANCH SADDLES OFF 4IN – 12IN 60 PSIG MAOP LIVE PLASTIC GAS MAIN USING MCELROY HOT TAPPING TOOL
- U. VALV6110: 1/2 INCH – 3 INCH POLYETHYLENE GAS SERVICE VALVE INSTALLATION

6. SEE TIE IN DETAILS FOR APPLICABLE MAIN CONNECTION REFERENCES.

7. SEE BILL OF MATERIAL FOR MATERIAL SPECIFICATION, STANDARD AND/OR APPLICABLE NATIONAL GRID "FITS" REFERENCE.

- A. FOR THIS PROJECT, GRADE B, X42, X52 AND EQUIVALENT ARE ACCEPTABLE STEEL MATERIAL STRENGTHS IF APPLICABLE. ALTERNATES TO THE BOM ARE ALLOWED WITHIN THIS RANGE BASED ON MATERIAL AVAILABILITY.

 <div>45 HENDRIX ROAD WEST HENRIETTA, NY 14586 PHONE (585) 359-7540 FAX (585) 359-7541</div>	BOSTON GAS COMPANY d/b/a																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
---	-----------------------------	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

PRESSURE TESTING REQUIREMENTS:

1. PRESSURE TEST ALL DISTRIBUTION PIPING IN ACCORDANCE WITH:
A. CNST04003: PRESSURE TESTING MAINS OPERATING BELOW 125 PSIG
B. TEST PRESSURE (MINIMUM): 90 PSIG
C. TEST DURATION BASED ON LENGTH AND DIAMETER IN ACCORDANCE WITH TABLE 1 OF CNST04003.
D. TEST MEDIUM: AIR AND/OR NITROGEN
2. PRESSURE TEST SERVICES IN ACCORDANCE WITH:
A. CNST06008: PRESSURE TESTING SERVICE LINES

WELDING:

1. NATIONAL GRID WELDING POLICIES AND PROCEDURES INCLUDE:
A. CNST05002: WELDING POLICY
B. CNST05003: PIPE WELDING SAFETY
C. CNST05005: WELDING PROCEDURE SPECIFICATIONS
D. MS-030: WELDING FILLER MATERIALS
2. PRIOR TO THE START OF ANY WORK THE CONTRACTOR SHALL SUBMIT WELDER CERTIFICATION DOCUMENTS FOR EACH OF THE WELDERS EMPLOYED ON THIS PROJECT.
3. WELDING PROCEDURE SPECIFICATIONS REQUIRED:
A. BUTT WELDS (GROOVE): WPS-SMAW-E6010/7010 (LATEST REVISION)
B. FILLET WELDS (BRANCH): WPS-SMAW-E6010/7010 (LATEST REVISION)
4. 10% (AT LEAST 1) OF WELDS SHALL BE SUBJECT TO NON-DESTRUCTIVE EXAMINATION (NDE):
A. BUTT WELDS 2-INCH AND GREATER: 10% RADIOGRAPH
B. BUTT WELDS < 2-INCHES: 10% MAGNETIC PARTICLE
C. FILLET WELDS: 10% MAGNETIC PARTICLE
5. NDE AND WELD MAP SHALL BE PROVIDED BY SKYTESTING.
6. SKYTESTING SCHEDULING CONTACT:
WILLIAM (BILL) CLARK
CELL: 704-858-7794
EMAIL: WCLARK@SKYTESTING.COM

CATHODIC PROTECTION:

1. IF EXISTING TEST STATIONS, WIRES, AND/OR MAGNESIUM ANODES ARE DISTURBED OR DAMAGED, NOTIFY THE NATIONAL GRID CORROSION DEPARTMENT:
CONSTRUCTION (MA): BUTCH VINCENT (617) 438-5192
CONSTRUCTION (RI): RICHARD LEPAGE (508) 948-8432
2. 24 HOUR NOTICE IS REQUIRED PRIOR TO INSTALLATION OF INSULATED FITTINGS TO ALLOW FOR ACCEPTANCE TESTING.
3. NATIONAL GRID CORROSION GAS POLICIES AND WORK METHODS INCLUDE:
A. COR01100: CORROSION DESIGN CRITERIA
B. COR02001: APPLICATION OF COATING SYSTEMS
C. COR02020: INSPECTING EXPOSED STEEL PIPE FOR CORROSION
D. COR02021: INSPECTING EXPOSED CAST OR DUCTILE PIPING FOR GRAPHITIZATION
E. COR03001: TESTING OF PIPE COATING (JEEP TESTING)
F. COR04001: INSTALLATION OF MAGNESIUM ANODES
G. COR04003: INSTALLATION OF TEST STATIONS FOR CATHODIC PROTECTION
H. COR04004: INSTALLATION OF WIRE CONNECTIONS
I. COR04005: INSTALLATION OF INSULATING JOINTS FOR CATHODIC PROTECTION
J. 030031-CS: FACILITY COATING GUIDE
K. 030026-CS: INSTALLATION OF TEST STATIONS FOR CATHODIC PROTECTION
P. 030036-CS: INSTALLING WIRE CONNECTIONS
4. CORROSION DESIGN:
A. SEE DETAIL C ON SH 8
• INSTALL A (1)-WIRE TEST STATION WITH (1)-17# MAGNESIUM ANODE TO THE INSULATED ACTIVE STEEL MECHANICAL END CAP. INSTALL THE 9X9 TEST STATION IN AN ACCESSIBLE LOCATION.
5. STEEL PIPE, FITTINGS, VALVES AND OTHER CARBON STEEL COMPONENTS TO BE BURIED WHICH ARE NOT FACTORY COATED FOR BURIED SERVICE SHALL BE FIELD COATED.

ENVIRONMENTAL:

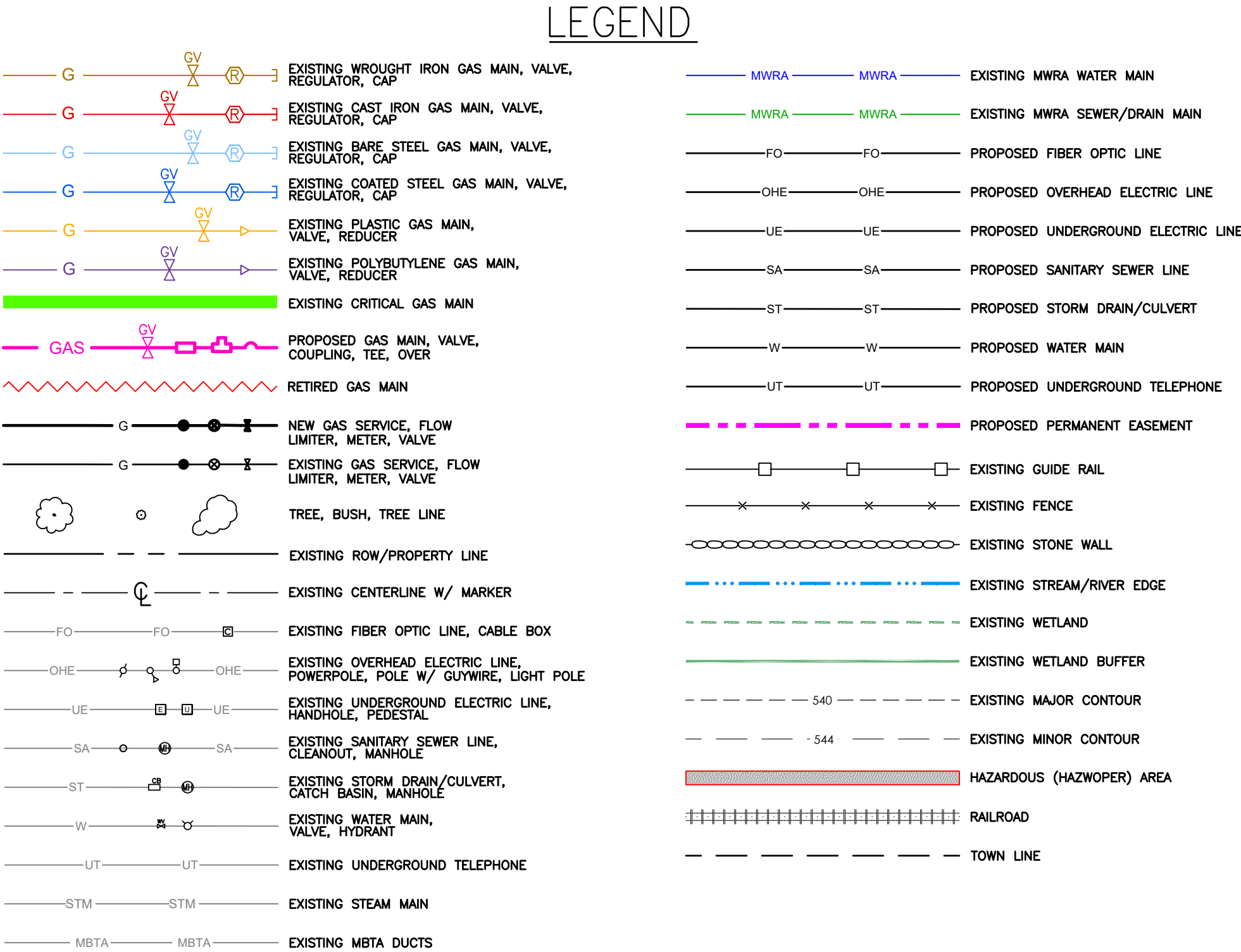
1. WORK SHALL CONFORM TO THE NATIONAL GRID ENVIRONMENTAL POLICY.
2. NATIONAL GRID ENVIRONMENTAL CONTACT:
NAME: JAIME WALKER
PHONE: (978) 551-1156
EMAIL: JAIME.WALKER@NATIONALGRID.COM
3. CONTRACTOR SHALL REVIEW THE PROJECT WORK ORDER PACKAGE FOR ENVIRONMENTAL GUIDANCE FORMS, FOR EXAMPLE EG-301, FOR THE RESPECTIVE STATE.
4. WHEN SOILS OR LIQUIDS ARE ENCOUNTERED THAT ARE BELIEVED TO BE CONTAMINATED WITH OIL AND/OR HAZARDOUS MATERIAL, EXCAVATION WORK SHALL BE HALTED AND FIELD PERSONNEL SHALL NOTIFY THEIR IMMEDIATE SUPERVISOR.
5. NO EXCAVATED SOIL THAT IS CONTAMINATED SHALL LEAVE THE WORK SITE UNTIL ENVIRONMENTAL HAS MADE A DETERMINATION FOR ITS PROPER DISPOSAL.
6. NATIONAL GRID ENVIRONMENT POLICIES AND PROCEDURES INCLUDE:
A. SHE02001: HANDLING CONTAMINATED MATERIALS AND PIPING
B. SHE02002: REMOVING MERCURY REGULATORS AND DEVICES
C. SHE02003: ENCOUNTERING CONTAMINATION WHILE EXCAVATING
D. EG303-NE: BEST MANAGEMENT PRACTICES
E. EG140: USED GAS PIPE MANAGEMENT
7. ENVIRONMENTAL REQUIREMENTS: N/A

SAFETY:

1. WORK SHALL CONFORM TO THE NATIONAL GRID EMPLOYEE SAFETY HANDBOOK AND OSHA REQUIREMENTS.
2. REQUIRED PPE SHALL BE WORN AND UTILIZED IN ACCORDANCE WITH THE CURRENT NATIONAL GRID SAFETY POLICY.
3. A NATIONAL GRID APPROVED CONTRACTOR HEALTH AND SAFETY PLAN (HASP) IS REQUIRED PRIOR TO CONSTRUCTION.
4. CONSTRUCTION SIGNING, DRUMS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) PART VI AND SHALL BE MAINTAINED BY THE CONTRACTOR.
5. NATIONAL GRID SAFETY PROCEDURES COVER THE FOLLOWING CATEGORIES:
A- ADMINISTRATIVE; B- INSPECTIONS; C- WALKING WORKING SURFACES; D- MEANS OF EGRESS; E- MATERIAL HANDLING AND STORAGE; F- TOXIC AND HAZARDOUS SUBSTANCES; G- HAZARDOUS MATERIALS; H- PERSONAL PROTECTIVE EQUIPMENT; I- GENERAL ENVIRONMENTAL CONTROLS, J- ACCIDENT INVESTIGATION; K- MACHINERY AND GUARDING; L- WELDING/CUTTING/BRAZING; M- EXCAVATIONS; N- CONTRACTORS; FIRE PROTECTION; Q- FLEET AND ROADWAY SAFETY
6. NATIONAL GRID SAFETY POLICIES AND PROCEDURES INCLUDE:
A. SHE01001: GENERAL SAFETY REQUIREMENTS
B. SHE01002: SUPPLIED-AIR RESPIRATORS
C. SHE01003: USING AND MAINTAINING PORTABLE GAS MONITORS
D. SHE01004: USING AND MAINTAINING FLAME IONIZATION UNITS
E. SHE01005: DISSIPATING STATIC ELECTRICAL CHARGES ON PLASTIC PIPE
F. SHE01006: ENTERING GAS UTILITY VAULTS
G. SHE01008: USING AND MAINTAINING THE GAS EXPLORER
H. SHE01009: DISSIPATING STATIC ELECTRICAL CHARGES ON PLASTIC PIPE
I. SHE01010: THE APPLICATION OF FORMAL PROCESS SAFETY ASSESSMENTS TO HIGHER-RISK GAS ACTIVITIES PERFORMED IN THE FIELD
7. JOB BRIEFINGS, AT A MINIMUM, SHALL BE CONDUCTED BEFORE THE START OF THE FIRST JOB ON EACH DAY OR SHIFT. ADDITIONAL BRIEFINGS MAY BE REQUIRED AFTER EXTENDED WORK BREAKS.
8. ANY AND ALL WORKERS THAT HAVE ANY POTENTIAL TO COME INTO CONTACT WITH SOIL AND/OR GROUNDWATER MUST HAVE UP-TO-DATE OSHA 40-HOUR HAZWOPER TRAINING. COPIES OF OSHA CERTIFICATES/TRAINING REFRESHERS SHALL BE PROVIDED TO NATIONAL GRID FOR REVIEW PRIOR TO THE START OF WORK.

OTHER PERMITTING REQUIREMENTS:

1. TOWN OF ARLINGTON STREET OPENING PERMIT
2. TOWN OF LEXINGTON STREET OPENING PERMIT



UTILITY OWNER INFORMATION:

SEWER:	ARLINGTON WATER & SEWER DIVISION #51 GROVE ST. ARLINGTON, MA 02476 LEXINGTON DPW-WATER & SEWER #201 BEDFORD ST.-RM. 202 LEXINGTON, MA 02420	GAS:	NATIONAL GRID GAS #40 SYLVAN RD. WALTHAM, MA 02451
DRAIN:	ARLINGTON WATER & SEWER DIVISION #51 GROVE ST. ARLINGTON, MA 02476 LEXINGTON DPW-WATER & SEWER #201 BEDFORD ST.-RM. 202 LEXINGTON, MA 02420	TELEPHONE:	VERIZON #385 MYLES STANDISH BLVD. TAUNTON, MA 02780
WATER:	ARLINGTON WATER & SEWER DIVISION #51 GROVE ST. ARLINGTON, MA 02476 LEXINGTON DPW-WATER & SEWER 201 BEDFORD ST.-RM. 202 LEXINGTON, MA 02420	CABLE:	RCN #956 MASSACHUSETTS AVE. ARLINGTON, MA 02476
ELECTRIC:	EVERSOURCE ELECTIC "A" #1165 MASSACHUSETTS AVE. DORCHESTER, MA 02125		

REFERENCE DRAWINGS:

1. LOCATION OF IDENTIFIED UNDERGROUND UTILITIES ARE AN APPROXIMATE BASED ON AVAILABLE RECORD AND FIELD INFORMATION IN ACCORDANCE WITH CI/ASCE 38-02. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT IDENTIFIED ON THESE PLANS. ALL EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR FOR SERVICE, SIZE, INVERT ELEVATIONS, LOCATIONS, ETC.

BILL OF MATERIALS					
ITEM	QTY	UOM	DESCRIPTION	SIZE (IN.)	NATIONAL GRID REFERENCE
1	10	FT	PIPE, MEDIUM DENSITY PE 2406, 40 FT LENGTHS	8	120026-MS
2*	3200	FT	PIPE, MEDIUM DENSITY PE 2406, 40 FT LENGTHS	4	120026-MS
3*	1280	FT	PIPE, MEDIUM DENSITY PE 2406, 250 FT COIL	2	120026-MS
4*	4	EA	REDUCER, MDPE	4X2	120026-MS
5*	4	EA	TEE, PLASTIC, BUTT FUSE, MDPE	4	120026-MS
6*	1	EA	TEE, PLASTIC, BUTT FUSE, MDPE	2	120026-MS
7*	1	EA	ELBOW, 90 DEG, BUTT FUSION, MDPE	4	120026-MS
8*	18	EA	ELBOW, 45 DEG, BUTT FUSION, MDPE	4	120026-MS
9*	6	EA	VALVE, POLY, FULL PORT, MDPE	4	VALV6020
10*	1	EA	VALVE, POLY, HDPE WITH MDPE PUPS, FULL PORT	2	VALV6020
11*	6	EA	BOX, VALVE FOR MAIN LINE VALVES 6 INCH REDUCED PORT OR 4 INCH FULL PORT PLASTIC VALVE	4	VALV6020
12*	1	EA	BOX AND COVER, VALVE, ROADWAY, WITH FOOT PIECE	2	VALV6020
13	4	EA	COUPLING, ELECTROFUSION, HDPE	8	120025-MS
14	4	EA	CAP, PLASTIC, BUTT FUSE	8	120026-MS
15	1	EA	CAP, PLASTIC, BUTT FUSE	4	120026-MS
16*	5	EA	CAP, PLASTIC, BUTT FUSE	2	120026-MS
17	4	EA	CAP, PLASTIC, ELECTROFUSION, HDPE	8	120025-MS
18	2	EA	CAP, LINE, VENTED, SELF RESTRAINING, BOLTED COMPRESSION FOR CI, 6.90 O.D.	6	FITS6024
19	2	EA	CAP, LINE VENTED, NON-RESTRAINING, BOLTED, FOR CI, 7.10 O.D.	6	FITS6014
20	1	EA	SADDLE, BRANCH, MDPE, ELECTROFUSION	4X4	120026-MS
21	4	EA	SADDLE, SERVICE, CAST IRON	6X1 1/2	CS-FIT014
22	4	EA	PLUG, THREADED, CAST IRON	1 1/2	N/A
23	1	EA	9X9 TEST STATION BOX	9X9	030026-CS
24	1	EA	TEST BOX COVER	9	030026-CS
25	1	EA	ANODE, MAGNESIUM, 17 LB, HIGH POTENTIAL	30	120004-MS
26	4500	EA	WIRE, TRACER, DIRECT BURY USE		N/A
27	5	EA	TAPE, YELLOW CAUTION, GAS MAIN, 1000' ROLL	6	N/A

* SOME QUANTITIES LABELED ON LAYOUT SHEETS

THE

DDS

COMPANIES

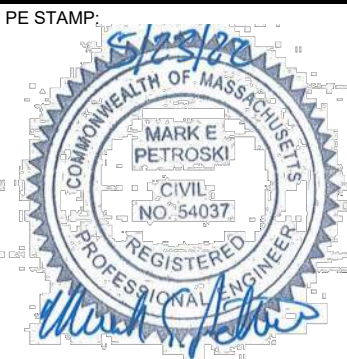
45 HENDRIX ROAD
WEST HENRIETTA, NY 14586
PHONE (585) 359-7540
FAX (585) 359-7541

BOSTON GAS COMPANY
d/b/a

nationalgrid

40 SYLVAN ROAD
WALTHAM, MA 02451

IFC

PE STAMP:


A	ISSUED FOR CONSTRUCTION	05/23/2022	WMK	KMC	MEP
NO.	DESCRIPTION	DATE	DR.BY	CK.BY	APP.BY

118-269 LOWELL ST, 10-24 NOURSE ST, & RESERVOIR RD
GAS MAIN REPLACEMENT
LOWELL ST, NOURSE ST, RESERVOIR RD, WESTMORELAND AVE, LOWELL ST PL, ELDER TER, & W COURT TER, ARLINGTON, MA & LEXINGTON, MA

CONSTRUCTION NOTES - BILL OF MATERIALS

DWG SIZE	DESIGNER	ENGINEER	DATE:	ASSET I.D.	W.O. NO.:
22"x34"	DDS COMPANIES	W. KOZEMKO	05/23/2022	XXXXXXX	1216594

PAGE 03 OF 13

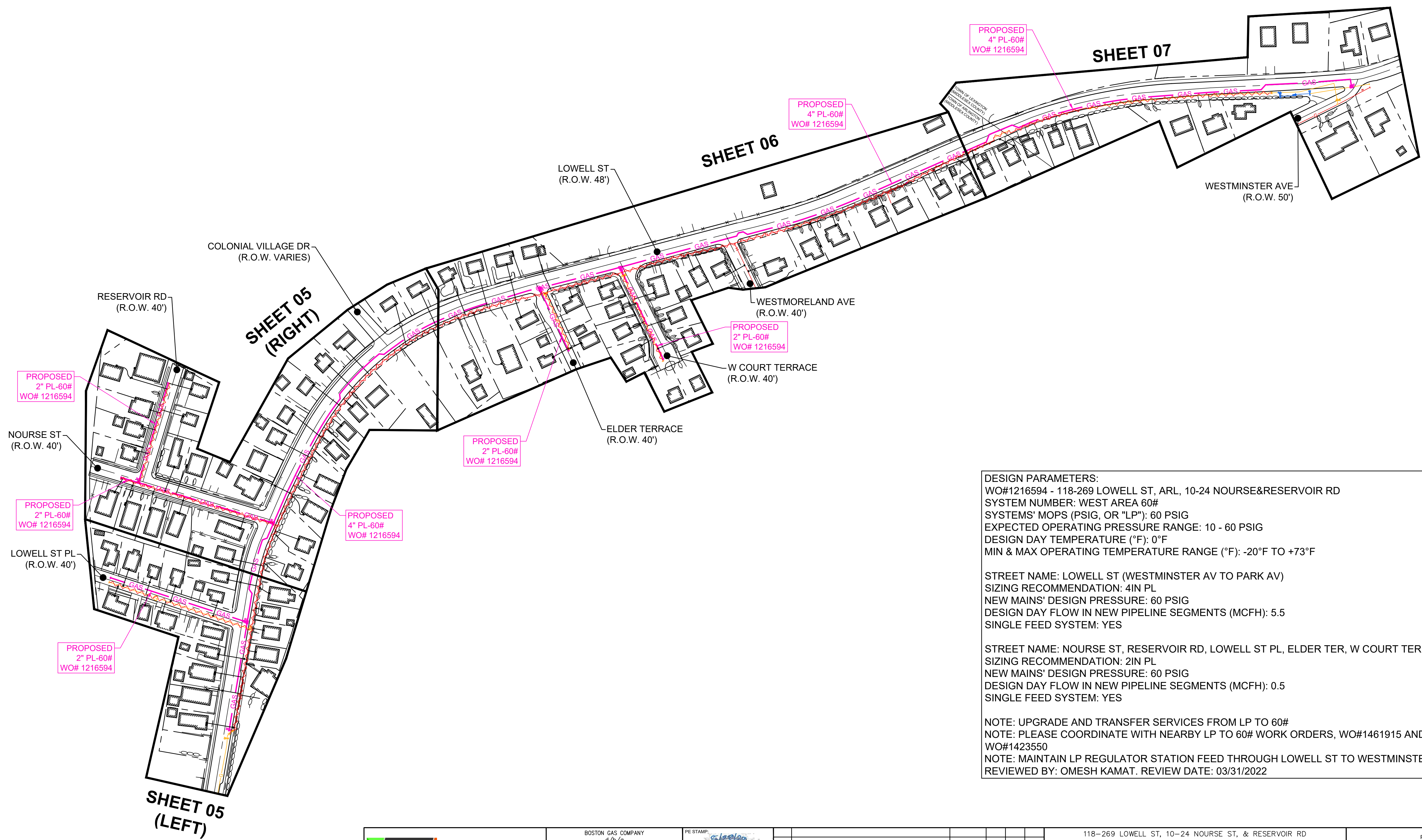
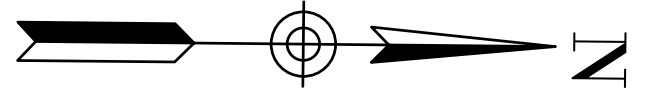
DRAWING NO.

G-003

SHEET NO.

03

56 of 92

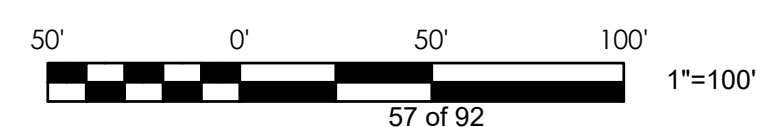



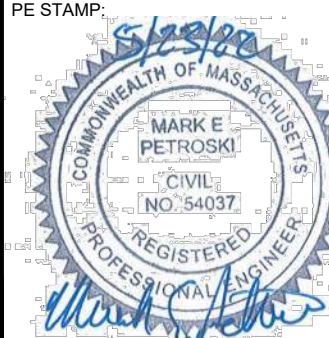
DESIGN PARAMETERS:
WO#1216594 - 118-269 LOWELL ST, ARL, 10-24 NOURSE&RESERVOIR RD
SYSTEM NUMBER: WEST AREA 60#
SYSTEMS' MOPS (PSIG, OR "LP"): 60 PSIG
EXPECTED OPERATING PRESSURE RANGE: 10 - 60 PSIG
DESIGN DAY TEMPERATURE (°F): 0°F
MIN & MAX OPERATING TEMPERATURE RANGE (°F): -20°F TO +73°F

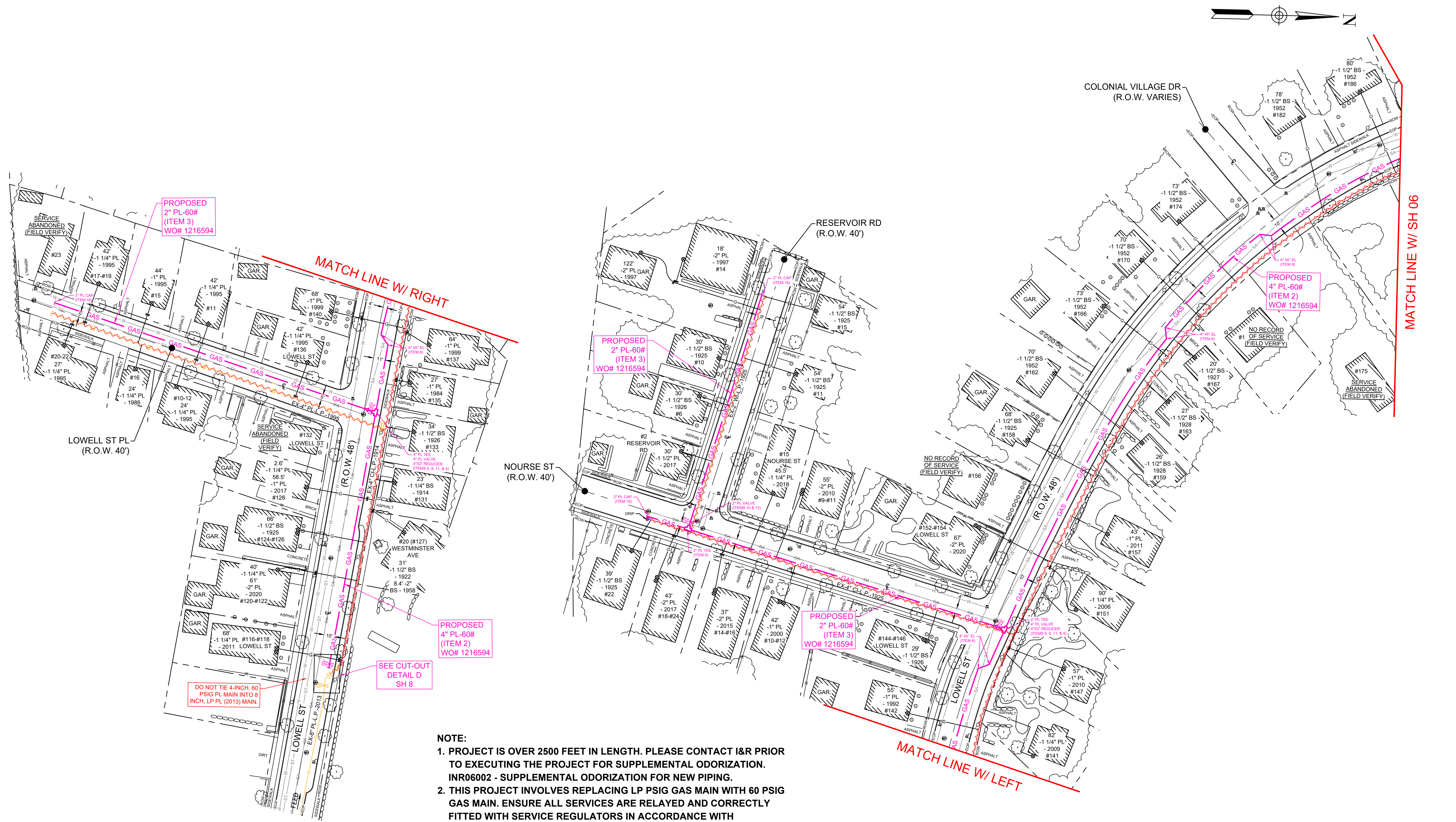
STREET NAME: LOWELL ST (WESTMINSTER AV TO PARK AV)
SIZING RECOMMENDATION: 4IN PL
NEW MAINS' DESIGN PRESSURE: 60 PSIG
DESIGN DAY FLOW IN NEW PIPELINE SEGMENTS (MCFH): 5.5
SINGLE FEED SYSTEM: YES

STREET NAME: NOURSE ST, RESERVOIR RD, LOWELL ST PL, ELDER TER, W COURT TER
SIZING RECOMMENDATION: 2IN PL
NEW MAINS' DESIGN PRESSURE: 60 PSIG
DESIGN DAY FLOW IN NEW PIPELINE SEGMENTS (MCFH): 0.5
SINGLE FEED SYSTEM: YES

NOTE: UPGRADE AND TRANSFER SERVICES FROM LP TO 60#
NOTE: PLEASE COORDINATE WITH NEARBY LP TO 60# WORK ORDERS, WO#1461915 AND WO#1423550
NOTE: MAINTAIN LP REGULATOR STATION FEED THROUGH LOWELL ST TO WESTMINSTER AV.
REVIEWED BY: OMESH KAMAT. REVIEW DATE: 03/31/2022



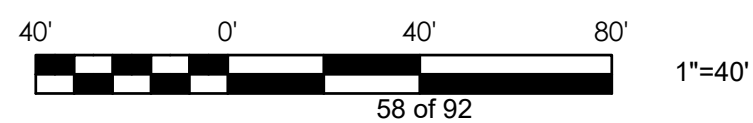
 45 HENDRIX ROAD WEST HENRIETTA, NY 14586 PHONE (585) 359-7540 FAX (585) 359-7541	BOSTON GAS COMPANY d/b/a nationalgrid 40 SYLVAN ROAD WALTHAM, MA 02451		118-269 LOWELL ST, 10-24 NOURSE ST, & RESERVOIR RD GAS MAIN REPLACEMENT LOWELL ST, NOURSE ST, RESERVOIR RD, WESTMORELAND AVE, LOWELL ST PL, ELDER TER, & W COURT TER, ARLINGTON, MA & LEXINGTON, MA										PAGE 04 OF 13		
			OVERALL SCOPE OF WORK										DRAWING NO.	SHEET NO.	
													C-001	04	
<div>IFC</div>			A		ISSUED FOR CONSTRUCTION	05/23/2022	WMK	KMC	MEP	DWG SIZE	DESIGNER	ENGINEER	DATE	ASSET I.D.	W.O. NO.:
			NO.		DESCRIPTION	DATE	DR.BY	CK.BY	APP BY	22"x34"	DDS COMPANIES	W. KOZEMKO	05/23/2022	XXXXXXX	1216594



NOTE:

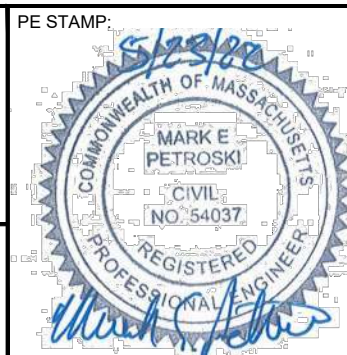
1. PROJECT IS OVER 2500 FEET IN LENGTH. PLEASE CONTACT I&R PRIOR TO EXECUTING THE PROJECT FOR SUPPLEMENTAL ODORIZATION. INR06002 - SUPPLEMENTAL ODORIZATION FOR NEW PIPING.

2. THIS PROJECT INVOLVES REPLACING LP PSIG GAS MAIN WITH 60 PSIG GAS MAIN. ENSURE ALL SERVICES ARE RELAYED AND CORRECTLY FITTED WITH SERVICE REGULATORS IN ACCORDANCE WITH ENG02001.



45 HENDRIX ROAD
WEST HENRIETTA, NY 14586
PHONE (585) 359-7540
FAX (585) 359-7541

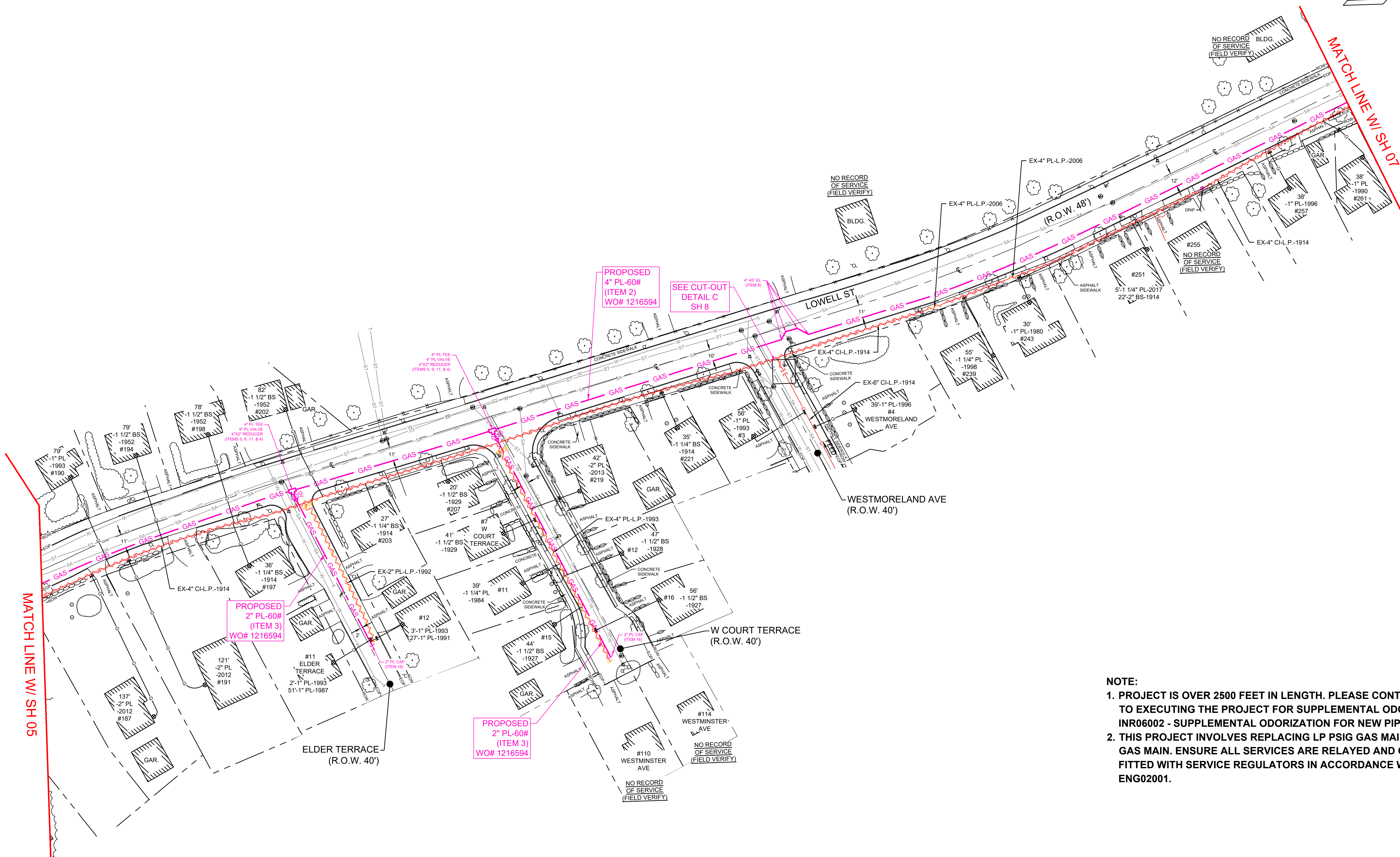
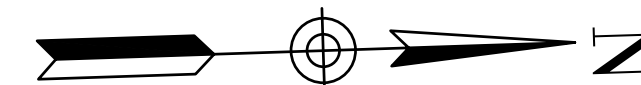
BOSTON GAS COMPANY
d/b/a
nationalgrid
40 SYLVAN ROAD
WALTHAM, MA 02451
IFC



A	ISSUED FOR CONSTRUCTION	05/23/2022	WMK	KMC	MEP	DWG SIZE	DESIGNER	ENGINEER	DATE	ASSET I.D.	W.O. NO.:
NO.	DESCRIPTION	DATE	DR.BY	CK.BY	APP.BY	22"x34"	DDS COMPANIES	W. KOZEMKO	05/23/2022	XXXXXXX	1216594

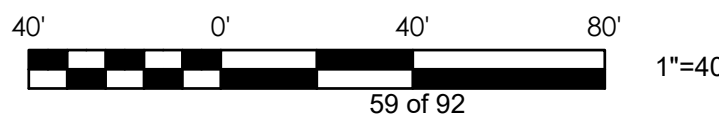
118-269 LOWELL ST, 10-24 NOURSE ST, & RESERVOIR RD
GAS MAIN REPLACEMENT
LOWELL ST, NOURSE ST, RESERVOIR RD, WESTMORELAND AVE, LOWELL ST PL,
ELDER TER, & W COURT TER, ARLINGTON, MA & LEXINGTON, MA
LAYOUT SHEET



PAGE 05 OF 13	
DRAWING NO.	SHEET NO.
C-002	05

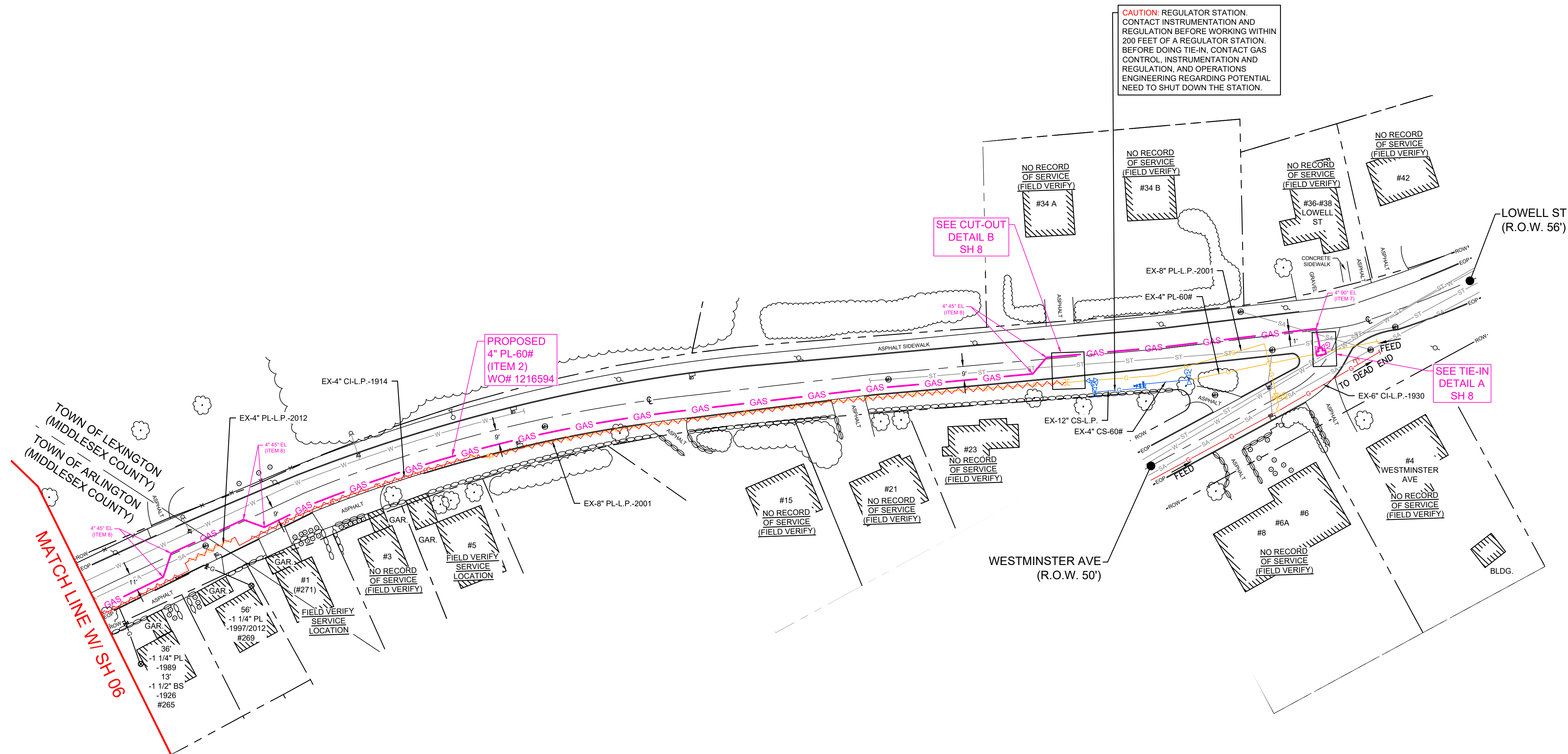
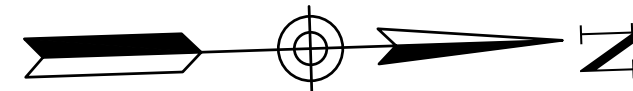


NOTE:

1. PROJECT IS OVER 2500 FEET IN LENGTH. PLEASE CONTACT I&R PRIOR TO EXECUTING THE PROJECT FOR SUPPLEMENTAL ODORIZATION. INR06002 - SUPPLEMENTAL ODORIZATION FOR NEW PIPING.
2. THIS PROJECT INVOLVES REPLACING LP PSIG GAS MAIN WITH 60 PSIG GAS MAIN. ENSURE ALL SERVICES ARE RELAYED AND CORRECTLY FITTED WITH SERVICE REGULATORS IN ACCORDANCE WITH ENG02001.

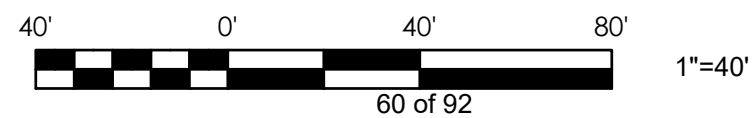


 45 HENDRIX ROAD WEST HENRIETTA, NY 14586 PHONE (585) 359-7540 FAX (585) 359-7541	nationalgrid 40 SYLVAN ROAD WALTHAM, MA 02451 <div>IFC</div>		118-269 LOWELL ST, 10-24 NOURSE ST, & RESERVOIR RD GAS MAIN REPLACEMENT LOWELL ST, NOURSE ST, RESERVOIR RD, WESTMORELAND AVE, LOWELL ST PL, ELDER TER, & W COURT TER, ARLINGTON, MA & LEXINGTON, MA LAYOUT SHEET										PAGE 06 OF 13	
			DRAWING NO.		SHEET NO.									
			C-003		06									
		A		ISSUED FOR CONSTRUCTION	05/23/2022	WMK	KMC	MEP	DWG SIZE	DESIGNER	ENGINEER	DATE	ASSET I.D.	W.O. NO.:
		NO.		DESCRIPTION	DATE	DR.BY	CK.BY	APP.BY	22"x34"	DDS COMPANIES	W. KOZEMKO	05/23/2022	XXXXXXX	1216594



NOTE:

1. PROJECT IS OVER 2500 FEET IN LENGTH. PLEASE CONTACT I&R PRIOR TO EXECUTING THE PROJECT FOR SUPPLEMENTAL ODORIZATION. INR06002 - SUPPLEMENTAL ODORIZATION FOR NEW PIPING.
2. THIS PROJECT INVOLVES REPLACING LP PSIG GAS MAIN WITH 60 PSIG GAS MAIN. ENSURE ALL SERVICES ARE RELAYED AND CORRECTLY FITTED WITH SERVICE REGULATORS IN ACCORDANCE WITH ENG02001.



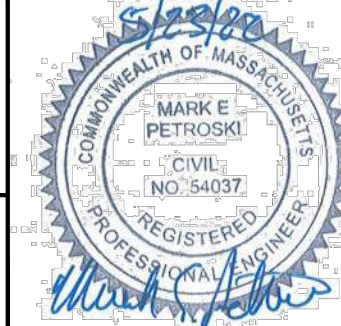
45 HENDRIX ROAD
WEST HENRIETTA, NY 14586
PHONE (585) 359-7540
FAX (585) 359-7541

BOSTON GAS COMPANY
d/b/a

nationalgrid
40 SYLVAN ROAD
WALTHAM, MA 02451

IFC

PE STAMP:



A		ISSUED FOR CONSTRUCTION	05/23/2022	WMK	KMC	MEP
NO.		DESCRIPTION	DATE	DR.BY	CK.BY	APP.BY

118-269 LOWELL ST, 10-24 NOURSE ST, & RESERVOIR RD
GAS MAIN REPLACEMENT
LOWELL ST, NOURSE ST, RESERVOIR RD, WESTMORELAND AVE, LOWELL ST PL,
ELDER TER, & W COURT TER, ARLINGTON, MA & LEXINGTON, MA

LAYOUT SHEET

DWG SIZE	DESIGNER	ENGINEER	DATE	ASSET I.D.	W.O. NO.:
22"x34"	DDS COMPANIES	W. KOZEMKO	05/23/2022	XXXXXXXX	1216594

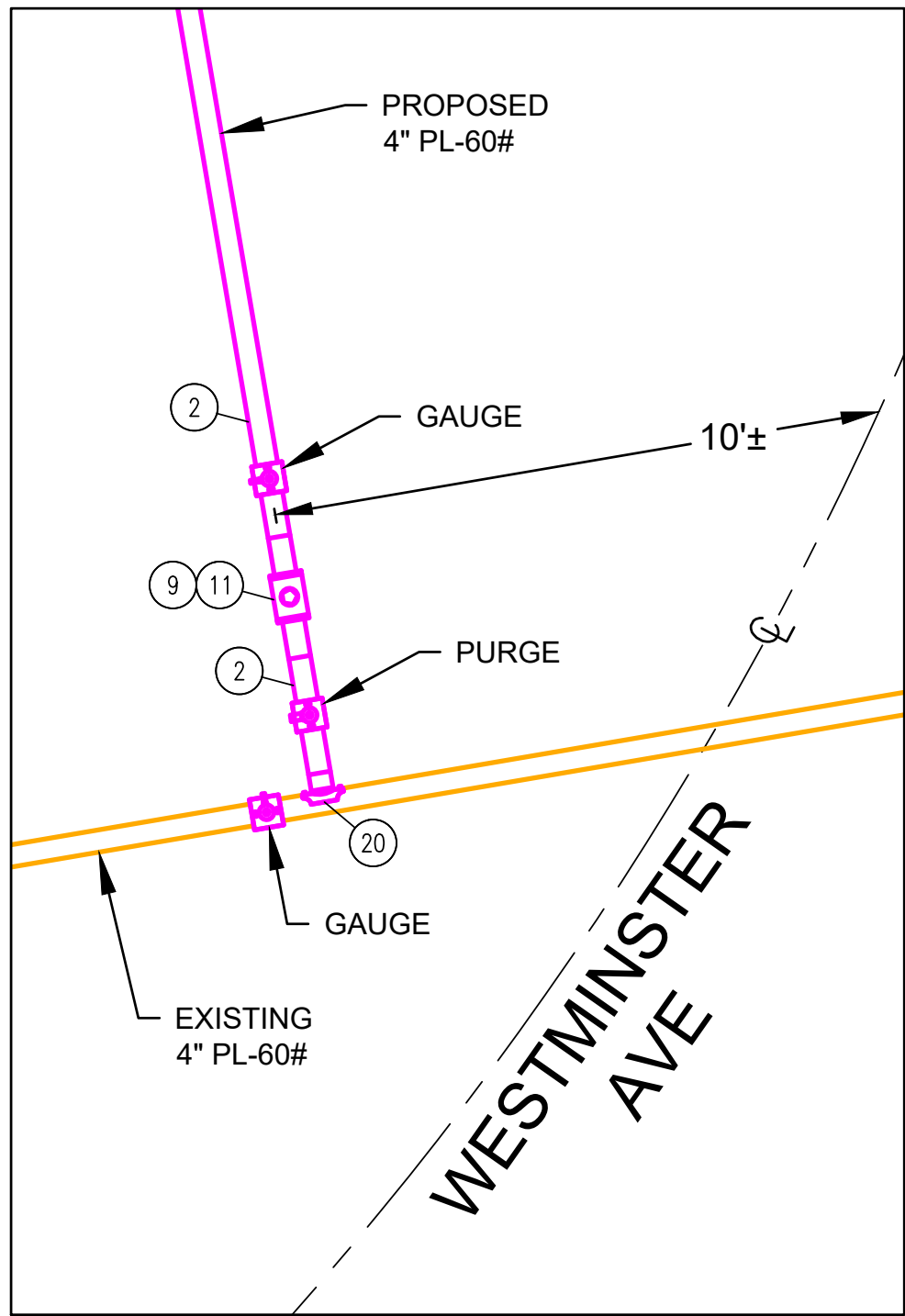
PAGE 07 OF 13

DRAWING NO.

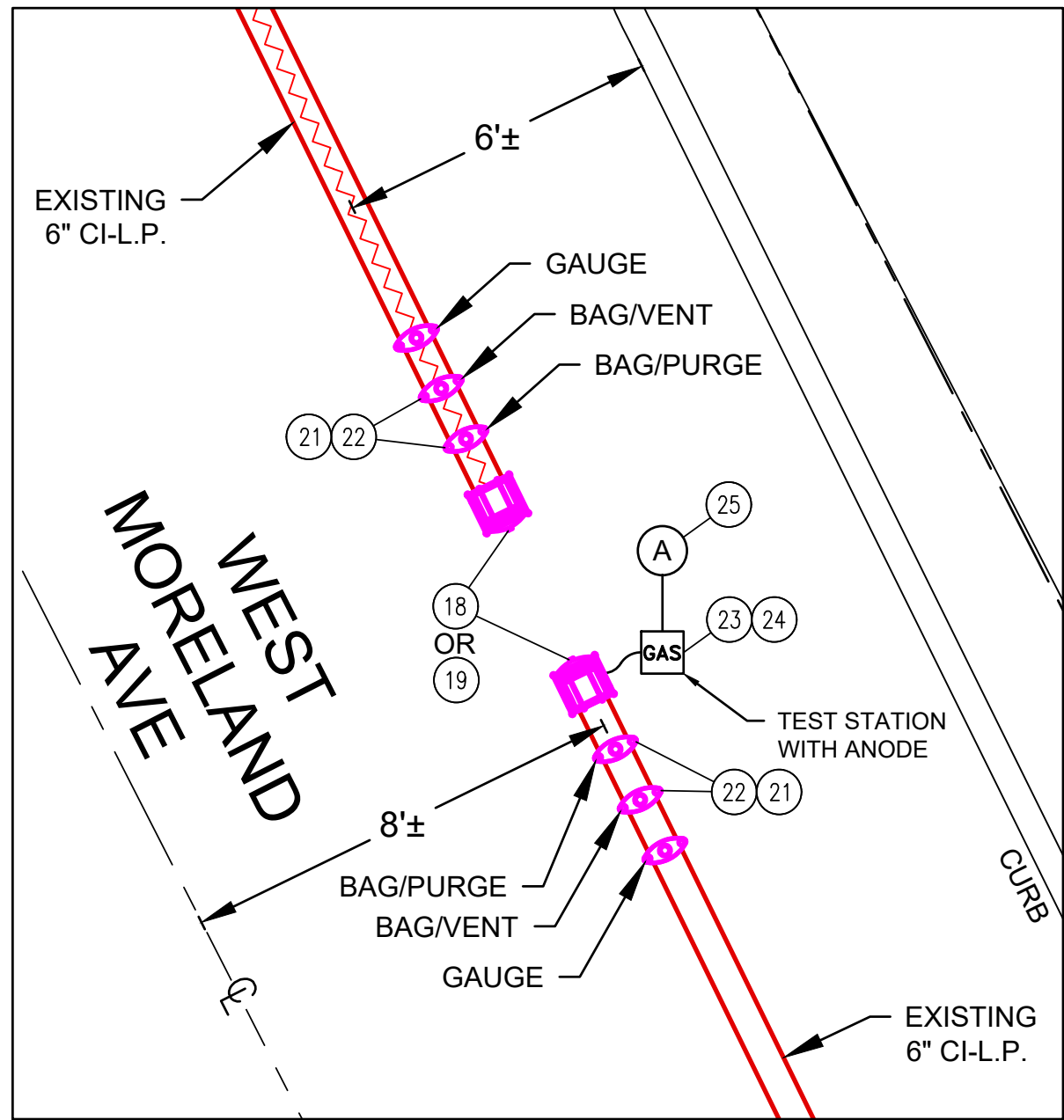
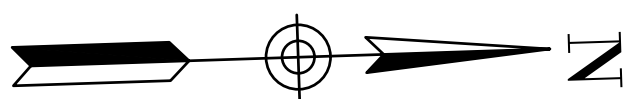
C-004

SHEET NO.

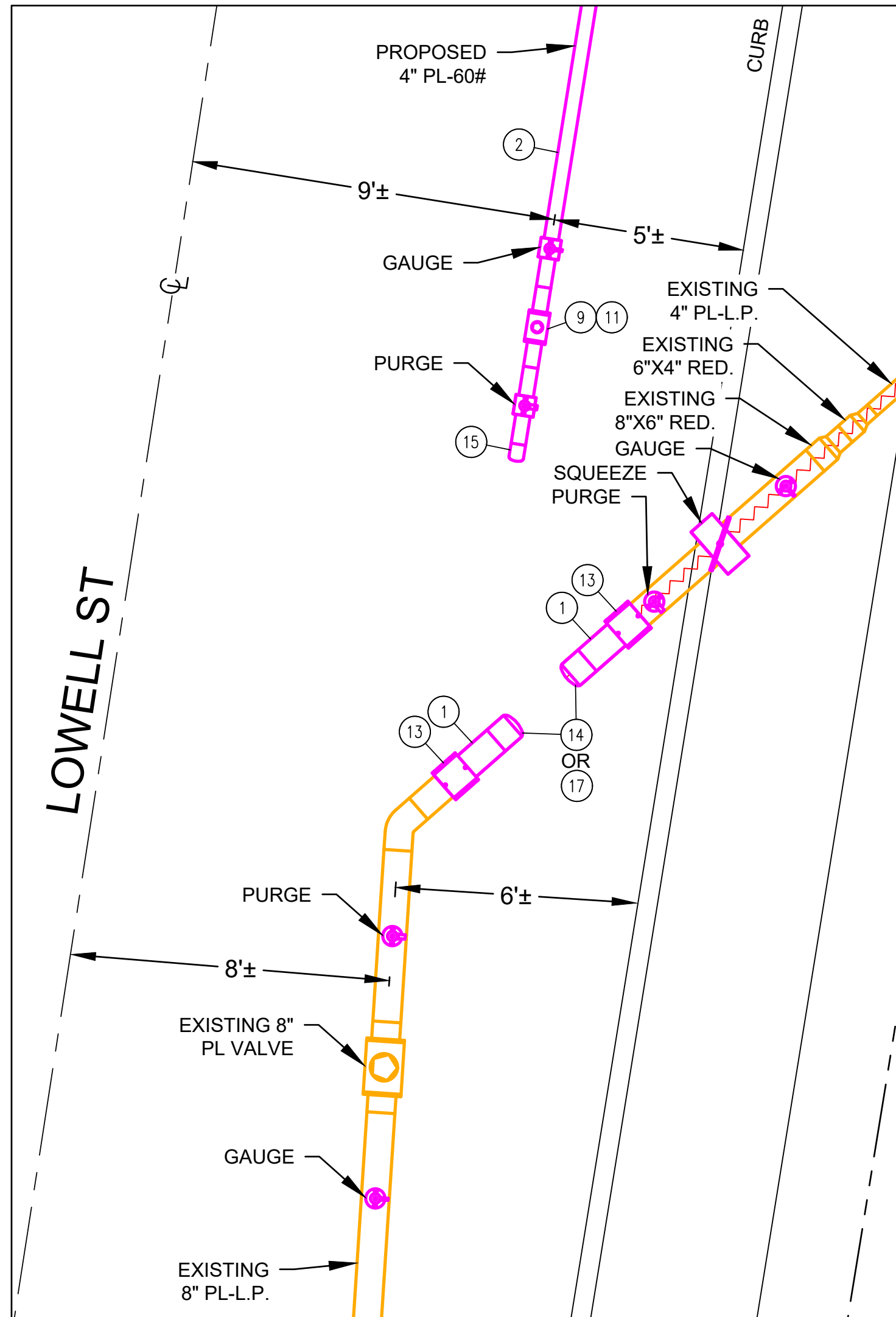
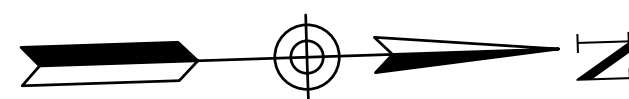
07



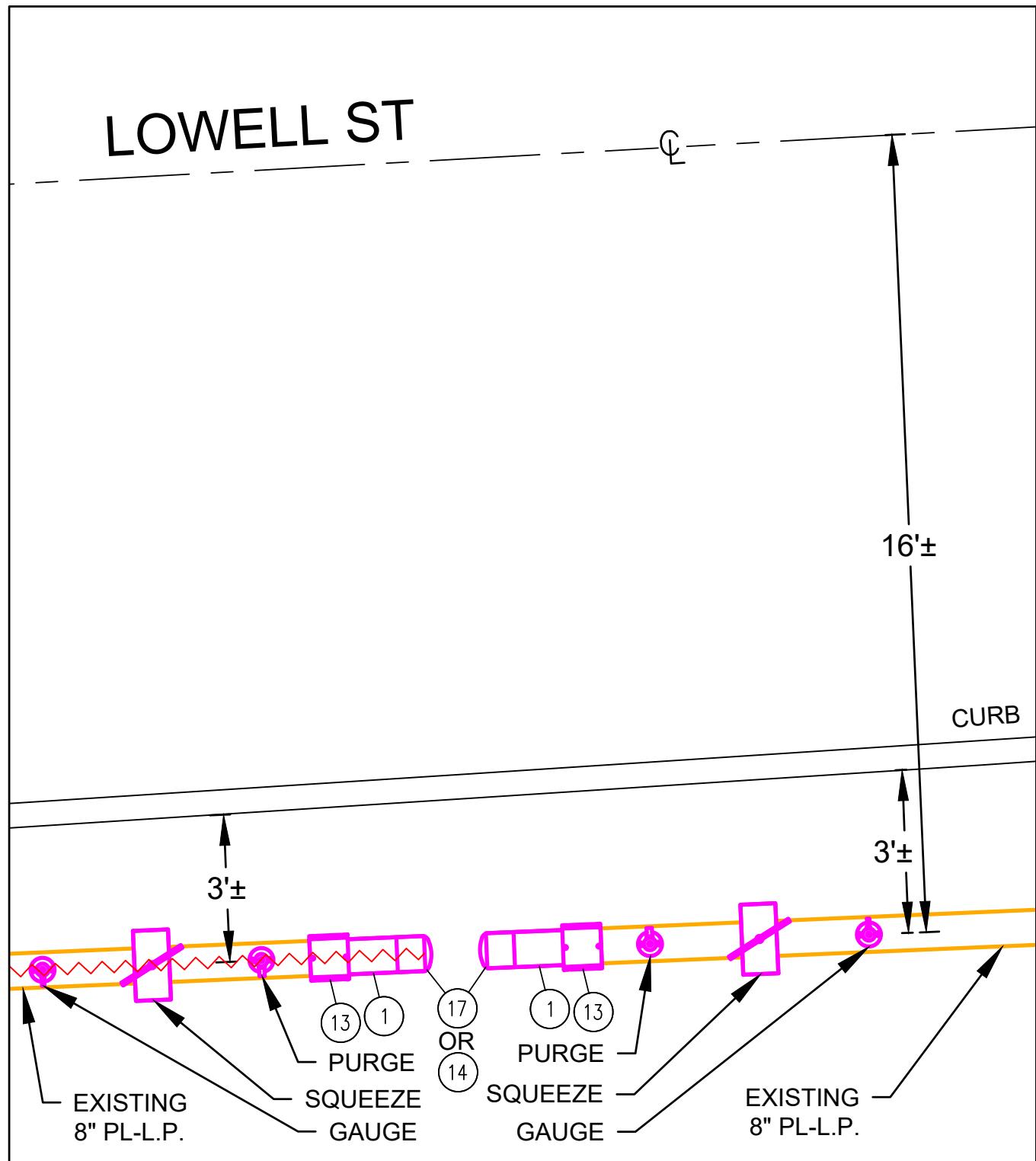
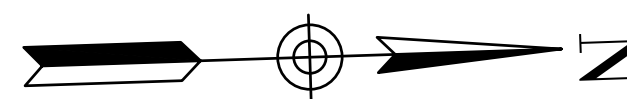
DETAIL A: TIE-IN
(LOWELL ST & WESTMINSTER AVE)
SCALE - 1:3



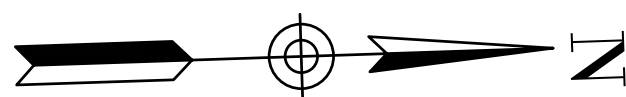
DETAIL C: CUT-OUT
(LOWELL ST & WEST MORELAND AVE)
SCALE - 1:3
SEE NOTE 2



DETAIL D: CUT-OUT
(LOWELL ST)
SCALE - 1:3
SEE NOTES 1 & 3



DETAIL B: CUT-OUT
(LOWELL ST)
SCALE - 1:3
SEE NOTE 1 & 3



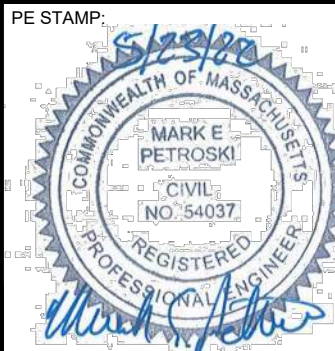
- NOTE:**
1. ELECTROFUSION CAP (ITEM 17) CAN BE USED AS ALTERNATE TO BUTT FUSE CAP (ITEM 14) WITH ELECTROFUSION COUPLINGS (ITEM 13).
 2. INSTALL A (1)-WIRE TEST STATION WITH (1)-17# MAGNESIUM ANODE TO THE INSULATED ACTIVE STEEL MECHANICAL END CAP. INSTALL THE 9X9 TEST STATION IN AN ACCESSIBLE LOCATION.
 3. STOP OFF METHODS CONTAINED IN CNST03002: STOP OFF OPERATIONS ON LOW PRESSURE MAINS, MAY BE USED IN PLACE OF SQUEEZE OFFS.



45 HENDRIX ROAD
WEST HENRIETTA, NY 14586
PHONE (585) 359-7540
FAX (585) 359-7541

BOSTON GAS COMPANY
d/b/a
nationalgrid
40 SYLVAN ROAD
WALTHAM, MA 02451

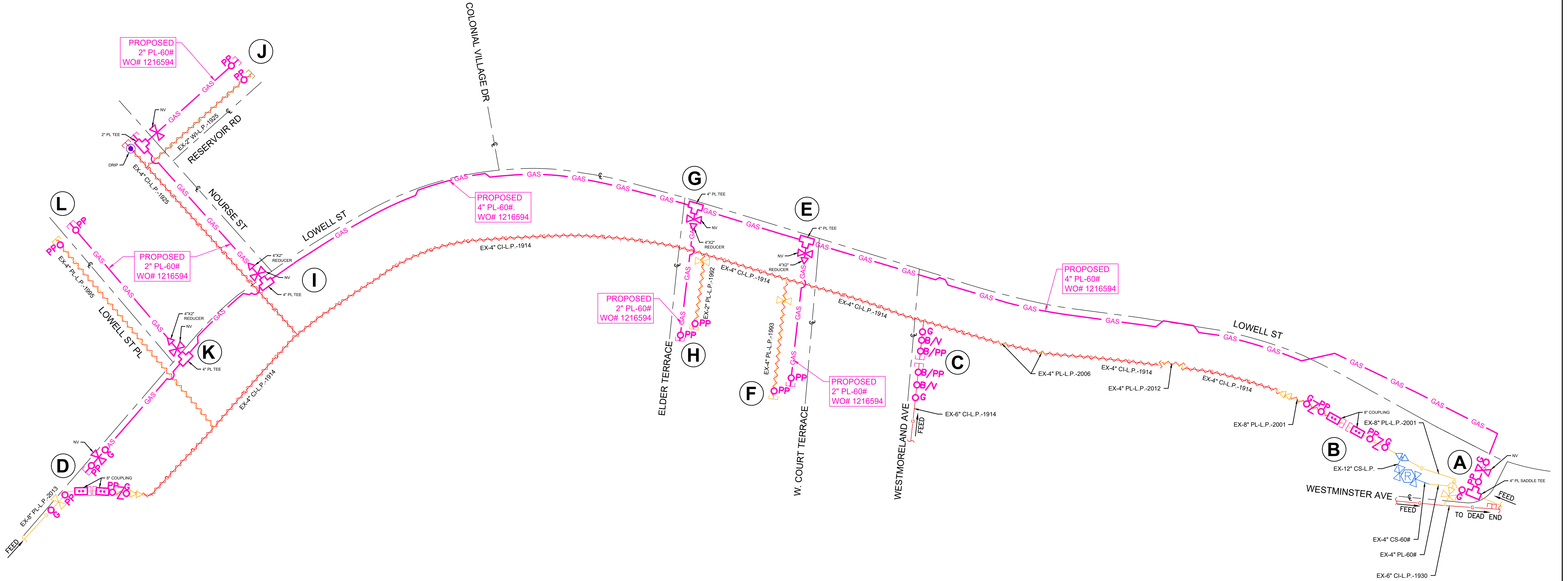
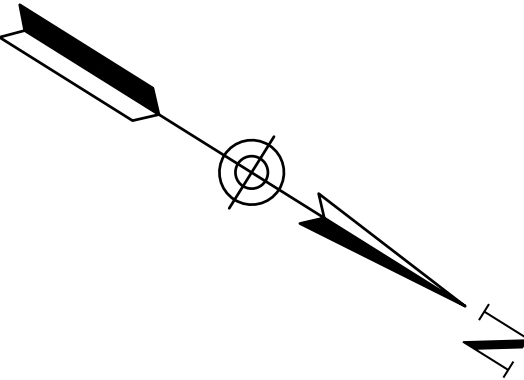
IFC



NO.	DESCRIPTION	DATE	DR.BY	CK.BY	APP.BY
A	ISSUED FOR CONSTRUCTION	05/23/2022	WMK	KMC	MEP

118-269 LOWELL ST, 10-24 NOURSE ST, & RESERVOIR RD GAS MAIN REPLACEMENT LOWELL ST, NOURSE ST, RESERVOIR RD, WESTMORELAND AVE, LOWELL ST PL, ELDER TER, & W COURT TER, ARLINGTON, MA & LEXINGTON, MA					
TIE-IN & ABANDONMENT DETAILS					
DWG SIZE	DESIGNER	ENGINEER	DATE:	ASSET I.D.	W.O. NO.:
22"X34"	DDS COMPANIES	W. KOZEMKO	05/23/2022	XXXXXXX	1216594

PAGE 08 OF 13	
DRAWING NO.	SHEET NO.
C-101	08



NTS

LEGEND									
	EFC		TEE		REDUCER		BAG		
	711		TAPPING TEE		REGULATOR		GAUGE		
	END CAP		TRANSITION		SQUEEZE		PURGE		
	WELD-END INSULATOR		GAS VALVE		STOP		VENT		
	BYPASS		BAG/PURGE		BAG/VENT				

62 of 92



45 HENDRIX ROAD
WEST HENRIETTA, NY 14586
PHONE (585) 359-7540
FAX (585) 359-7541

BOSTON GAS COMPANY
d/b/a

nationalgrid

40 SYLVAN ROAD
WALTHAM, MA 02451

IFC

PE STAMP:



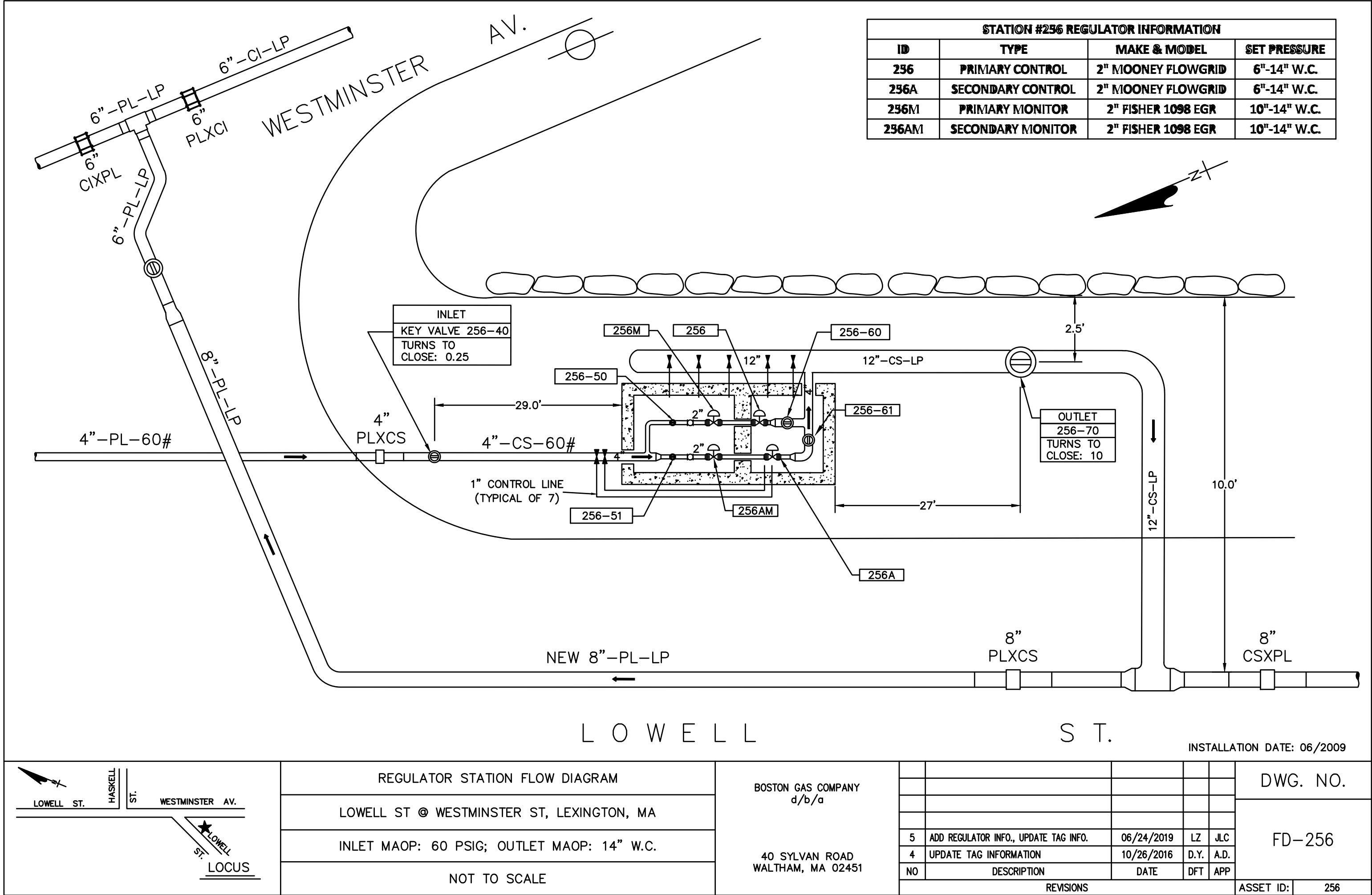
NO.	DESCRIPTION	DATE	DR.BY	CK.BY	APP.BY
A	ISSUED FOR CONSTRUCTION	05/23/2022	WMK	KMC	MEP

118-269 LOWELL ST, 10-24 NOURSE ST, & RESERVOIR RD
GAS MAIN REPLACEMENT
LOWELL ST, NOURSE ST, RESERVOIR RD, WESTMORELAND AVE, LOWELL ST PL,
ELDER TER, & W COURT TER, ARLINGTON, MA & LEXINGTON, MA

PROCEDURE

DWG SIZE	DESIGNER	ENGINEER	DATE:	ASSET I.D.	W.O. NO.:
22"x34"	DDS COMPANIES	W. KOZEMKO	05/23/2022	XXXXXXXX	1216594

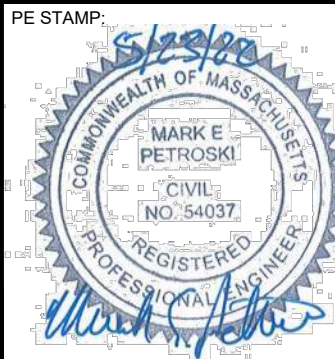
PAGE 09 OF 13	
DRAWING NO.	SHEET NO.
C-201	09



45 HENDRIX ROAD
WEST HENRIETTA, NY 14586
PHONE (585) 359-7540
FAX (585) 359-7541

BOSTON GAS COMPANY
d/b/a
nationalgrid
40 SYLVAN ROAD
WALTHAM, MA 02451

IFC



NO.	DESCRIPTION	DATE	DR.BY	CK.BY	APP.BY
A	ISSUED FOR CONSTRUCTION	05/23/2022	WMK	KMC	MEP

118-269 LOWELL ST, 10-24 NOURSE ST, & RESERVOIR RD GAS MAIN REPLACEMENT LOWELL ST, NOURSE ST, RESERVOIR RD, WESTMORELAND AVE, LOWELL ST PL, ELDER TER, & W COURT TER, ARLINGTON, MA & LEXINGTON, MA					
REGULATOR STATION FLOW DIAGRAM					
DWG SIZE	DESIGNER	ENGINEER	DATE:	ASSET I.D.	W.O. NO.:
22"x34"	DDS COMPANIES	W. KOZEMKO	05/23/2022	XXXXXXXX	1216594

PAGE 10 OF 13

DRAWING NO.

SHEET NO.

C-301

10

Typical
Utility Crossing
and
Trench
Guidelines

See CNST01003
for Backfill &
Restoration
Standards

For Backfill and Restoration details, refer to CNST01003 - Backfill and Restoration

nationalgrid	TYPICAL UTILITY CROSSING AND TRENCH GUIDELINES
MASS.	
Key Changes: REV 0 NEW STANDARD FOR MASS.	DATE: 09/15/2014 DESIGN: PAUL GUGLIOTTA DRAWN: N. COSTANZO
UNCONTROLLED WHEN PRINTED	1 OF 1

TRACER WIRE INSTALLATIONS
FOR PLASTIC MAINS AND SERVICES

nationalgrid
LI-MA-RI-UNY

TRACER WIRE INSTALLATIONS
FOR PLASTIC MAINS AND SERVICES

DATE: 10/31/2004
DESIGN: GUGLIOTTA / MCGLOULIN
DRAWN: GUGLIOTTA / DIMAGIO

STD. DWG. NO. CNST-6061

REVISIONS: UPDATED ITEM 10'S
REVISED NOTES

UNCONTROLLED WHEN PRINTED

1 OF 4

© National Grid Gas plc 2020 - All Rights Reserved

TRACER WIRE INSTALLATIONS
FOR PLASTIC MAINS AND SERVICES

nationalgrid

TRACER WIRE INSTALLATIONS
FOR PLASTIC MAINS AND SERVICES

DATE: 10/31/2004
DESIGN: GUGLIOTTA / MCGLOULIN
DRAWN: GUGLIOTTA / DIMAGIO

STD. DWG. NO. CNST-6061

REVISIONS: UPDATED ITEM 10'S
REVISED NOTES

UNCONTROLLED WHEN PRINTED

2 OF 3

© National Grid Gas plc 2019 - All Rights Reserved

NO.	ITEM	SAP ITEM ID
8	TRACER WIRE SNAP, 2" (represents steel size)	9308134
8	TRACER WIRE SNAP, 1 1/2" (represents steel size)	9308156
4	WIRE SPLICE CONNECTOR, WATERPROOF	9308036
7	CLAMP, STAINLESS	9307708
6	VALVE BOX, ROADWAY	9312344 UNY 931208 RI
5	ANODE, 3 LB MAGNESIUM	9315645
1	TRACER WIRE, DIRECT BURY, COPPER, 12 AWG	9315005

A. Inside sets: Terminate tracer wire in the curb valve box. Allow enough wire to extend 18" to 24" above grade.

B. Outside Sets: Tracer wire should be extended approximately 18" above grade at riser. Connect tracer wire to the riser using a "tracer snap", item #8. If the appropriate tracer snap is not available, wrap or tie the tracer wire to the riser. Do not permanently attach tracer wire to the riser. Tracer wire should not exceed 6" above the point where it is secured to the riser.

C. Partially tubed services: When the abandoned portion of an existing steel service pipe is used as a sleeve for the new plastic, all cut out sections of the steel pipe to be inserted with plastic, shall be connected using a section of tracer wire to maintain continuity. If the existing service is coated steel, see [Installation of Test Stations for Cathodic Protection \[030026-CS\]](#) and [Installation of Test Stations for Cathodic Protection \[COR04003\]](#) or contact corrosion department for more guidance.

D. Thermite welding of tracer wire to abandoned steel service is only acceptable prior to insertion of the plastic tubing. See [Installation of Test Stations for Cathodic Protection \[030026-CS\]](#).

E. Plastic Mains: The service tracer wire shall be connected to the plastic main tracer wire using item #3 detail A or item #4 (detail B - preferred) in accordance with [Installing Wire Connections \[COR04004\]](#).

F. Coated Steel Mains: Do not connect the tracer wire to the steel main. See [Installation of Test Stations for Cathodic Protection \[030026-CS\]](#) and [Installation of Test Stations for Cathodic Protection \[COR04003\]](#) or contact corrosion department for more guidance.

G. Cast Iron or Bare steel Mains: Do not connect the tracer wire to the main. It is required in LI and MA, and suggested in all other areas to terminate the tracing wire with a #3 anode.

Tracer Wire Installation Notes

H. Install tracer wire in close proximity to the plastic pipe. Approximately 4" to 6" away from the pipe. LI & MA- Above or alongside, UNY- alongside, RI-Under or alongside. Exception: For trenchless pipe installations, the minimum clearance is waived.

I. Maintain separation of approximately 4" from service riser. Do not permanently connect the tracer wire to the riser.

J. For horizontal directional drill installations, use stainless wire, item #2.

K. Tracer wire installed in boxes should allow enough wire to extend 18" to 24" above grade.

L. Verification: upon completion, the installer shall verify the location of the main or service using the tracer wire and locating device and perform a mark out using the conductive method.

M. LI and MA: Required to terminate the tracing wire with a #3 anode. This is to ground the tracer wire and increase signal strength when locating. This practice is recommended in all areas where signal strength is an issue.

Regional Notes

NYC ONLY: refer to [Installation of Marker Tapes and EMS Pipeline Locators for Mains and Services \[CNST6060-NYC\]](#) for installation of electronic marker ball in place of tracer wire.

Pressure Test Assembly
Above Grade Preferred

nationalgrid

Pressure Testing of New Mains
MAOP of 124 PSIG OR LESS

DATE: 7/15/2013
DESIGN: PAUL GUGLIOTTA
DRAWN: P.G.

STD. DWG. NO. CS-MAIN004

UNCONTROLLED WHEN PRINTED

1 OF 6

© National Grid Gas plc 2021 - All Rights Reserved

ITEM	DESCRIPTION	SAP ITEM ID	PEOPLESOF ITEM
1	PRESSURE GAUGE 0-100 OR 0-200 PSIG - 2 PSI INCREMENTS	9354885	NON STOCK
2	0-200 PSIG STAINLESS STEEL 1/2" NPT 3-1/2" DIAL	9358390	NON STOCK
3	0-100 PSIG STAINLESS STEEL 1/2" NPT	9353240	NON STOCK
4	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342517	NON STOCK
5	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
6	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
7	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
8	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
9	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
10	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
11	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
12	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
13	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
14	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
15	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
16	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
17	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
18	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
19	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK
20	0-100 PSIG STAINLESS STEEL 1/2" NPT	9342518	NON STOCK

ITEM	DESCRIPTION	ORACLE ITEM ID	PEOPLESOF ITEM
4	CAP END PLASTIC MEDIUM DENSITY YELLOW BUTT FUSE	9339540	NON STOCK
5	CAP END PLASTIC HIGH DENSITY BLACK BUTT FUSION	9339538	NON STOCK
6	McLEROY TEST CAPS (165 PSIG MAX)	9344366	NON STOCK
7	FLANGE 150# WELD END FLAT FACE	9314322	NON STOCK
8	BLIND FLANGE CLASS 150# ASTM A-105	9314334	NON STOCK
9	GASKETS	9333167	NON STOCK

ITEM	DESCRIPTION	ORACLE ITEM ID	PEOPLESOF ITEM
10	END CAPS - STEEL WELD END STANDARD WALL - GRADE B	9312095	NON STOCK
11	THOR FITTING	9341832	NON STOCK
12	VALVE	9341832	NON STOCK
13	VALVE (OPTIONAL - TO SHUT OFF TEST ASSEMBLY)	9342211	NON STOCK
14	LUO ASSEMBLY	9342212	NON STOCK
15	COUPLING - END 2" PERFECTION	9342212	NON STOCK
16	TEST CAP	9342212	NON STOCK

THE
DDS
COMPANIES

45 HENDRIX ROAD
WEST HENRIETTA, NY 14586
PHONE (585) 359-7540
FAX (585) 359-7541

nationalgrid

40 SYLVAN ROAD
WALTHAM, MA 02451

IFC

BOSTON GAS COMPANY
d/b/a

nationalgrid

40 SYLVAN ROAD
WALTHAM, MA 02451

PE STAMP

MARK E
PETROSKI
REGISTERED
PROFESSIONAL ENGINEER
NO. 94037

NO.	DESCRIPTION	DATE	DR.BY	CK.BY	APP.BY
A	ISSUED FOR CONSTRUCTION	05/23/2022	WMK	KMC	MEP

NO.	DESCRIPTION	DATE	DR.BY	CK.BY	APP.BY
A	ISSUED FOR CONSTRUCTION	05/23/2022	WMK	KMC	MEP

118-269 LOWELL ST, 10-24 NOURSE ST, & RESERVOIR RD GAS MAIN REPLACEMENT LOWELL ST, NOURSE ST, RESERVOIR RD, WESTMORELAND AVE, LOWELL ST PL, ELDER TER, & W COURT TER, ARLINGTON, MA & LEXINGTON, MA	STANDARD DETAILS
--	------------------

DRAWING NO.	SHEET NO.
C-302	11

DIRECT BURIED ANODE INSTALLATION

DETAIL "A"

NOTE: INSTALL ANODE 3 FT. MIN. FROM ANY ISOLATED FITTING

INSTALLATION OF MAGNESIUM ANODES

ALL REGIONS

DATE: 07/15/2010 EFFECTIVE DATE: 06/08/2020

DESIGN: PG STD. DWG. NO. 030024-CS

APPROVAL: PS

REVISIONS: UPDATED NEW SP ITEM ID'S

SHT. 2 OF 2 030024-CS

MATERIAL LIST

	Description	Down State NY SAP Item I.D.	Upstate NY Item I.D.	New England Item I.D.	Rhode Island Item I.D.	MATERIAL NOTES
1	CABLE NO. 8 - 1/C	9334425	9311214	9334425	9311214	Upstate and RI cable has 19 strands
2	ANODE, MAGNESIUM 17 LB	9311183	9311183	9311183	9311183	
3	ANODE, MAGNESIUM 3 LB	9315645	9315645	9315645	9315645	Use on Tracer wire and all isolated fittings
4	ANODE, MAGNESIUM SPIKE 3 LB	9308624	9308624	9308624	9308624	Use on Service Risers ONLY
*	CLAMP, GROUNDING 1/2IN - 1IN DIA.	9386544	9386544	9386544	9386544	Grounding clamp for attaching spike anode lead wire to service riser
*	CLAMP, GROUNDING 1-1/4IN - 2IN DIA.	9386559	9386559	9386559	9386559	Grounding clamp for attaching spike anode lead wire to service riser

* Spike Anode Ground Clamp

TWO WIRE TEST STATION WITH ANODE(S)

Can be installed without anodes

FOUR WIRE TEST STATION WITH ANODES

Can be installed without anodes

INSTALLATION OF TEST STATIONS FOR CATHODIC PROTECTION

ALL REGIONS

DATE: 07/15/2010 EFFECTIVE DATE: 09/15/2013

DESIGN: PG STD. DWG. NO. 030026-CS

APPROVED: PS

REVISIONS: REVISED USING SAP ITEM ID'S

UNCONTROLLED WHEN PRINTED

1 OF 5

© National Grid Gas plc 2013- All Rights Reserved

CASING TEST STATION

ABANDONED MAIN IN STRAY CURRENT AREAS

BOND WIRE TEST STATION

INSTALLATION OF TEST STATIONS FOR CATHODIC PROTECTION

ALL REGIONS

DATE: 07/15/2010 EFFECTIVE DATE: 09/15/2013

DESIGN: PG STD. DWG. NO. 030026-CS

APPROVED: PS

REVISIONS: REVISED USING SAP ITEM ID'S

UNCONTROLLED WHEN PRINTED

2 OF 5

© National Grid Gas plc 2013- All Rights Reserved

CURRENT DROP MEASURING TEST STATION

CURRENT DROP MEASURING TEST STATION SPACING

PIPE DIAMETER	"L"
3/4" - 4"	75'
6" - 10"	100'
12" AND OVER	125'

INSTALLATION OF TEST STATIONS FOR CATHODIC PROTECTION

ALL REGIONS

DATE: 07/15/2010 EFFECTIVE DATE: 09/15/2013

DESIGN: PG STD. DWG. NO. 030026-CS

APPROVED: PS

REVISIONS: REVISED USING SAP ITEM ID'S

UNCONTROLLED WHEN PRINTED

3 OF 5

© National Grid Gas plc 2013- All Rights Reserved

Two wire test station

Shown with 2 anodes

Four wire test station

CONNECT ALL WIRES AS NEEDED

INSTALLATION OF TEST STATIONS FOR CATHODIC PROTECTION

ALL REGIONS

DATE: 07/15/2010 EFFECTIVE DATE: 09/15/2013

DESIGN: PG STD. DWG. NO. 030026-CS

APPROVED: PS

REVISIONS: REVISED USING SAP ITEM ID'S

UNCONTROLLED WHEN PRINTED

4 OF 5

© National Grid Gas plc 2013- All Rights Reserved

MATERIAL LIST						
	Description	Down State NY SAP Item I.D.	Upstate NY Item I.D.	New England Item I.D.	Rhode Island SAP Item I.D.	MATERIAL NOTES
1	TEST BOX WITH COVER	9339892	9312291	9339892	9339892	NON LOCKING COVER. DISCARD FOOT PIECE.
	TEST BOX 9" SQUARE HEAVY DUTY	9339391		9339391		WEIGHS 95 LBS. STREET USE, WITHOUT COVER
2	COVER FOR 9" SQUARE BOX	9339797		9339797		NON-LOCKING COVER
3	WIRE, NO. 8, 7 STRAND	9307539	9307539	9307539	9307539	TEST WIRE ONLY. NOT FOR GROUND BEDS. UPSTATE AND RI WIRE HAS 19 STRANDS.
4	WIRE, NO. 6, 7 STRAND	9311795	9311795	9311795	9311795	BOND WIRE ONLY. NOT FOR GROUND BEDS.
5	WIRE 1/0 - 19 STRAND 600 V - 1/C	9334171	NON STOCK	9334171	NON STOCK	USE IN STRAY CURRENT AREAS
6	TAPE, PVC - 3/4" WIDE	9334056	9334056	9334056	9316070	NOT FOR PIPE COATING.
	CONNECTOR, SPLIT BOLT, TYPE 8	9331578	9316630	9331578	NON STOCK	USE WITH NO. 6 CABLE
7	CONNECTOR, TWIST-ON WIRE NUT	9331612		9331612		USE WITH 1/0 CABLE
8	CONNECTOR, SPLIT BOLT, TYPE 1/01	9330683	9314631	9330683	9314631	
9	NUMBER 1 NUMBER 2 NUMBER 3 NUMBER 4 LETTER A	9307918 9307896 9307895 9307894 9307893	9307918 9307896 9307895 9307894 9307893	9307918 9307896 9307895 9307894 9307893	9307918 9307896 9307895 9307894 9307893	LABEL WITH #1 (N) OR (E), CONSECUTIVELY TO (S) OR (W) SEE DETAILS "B" AND "C"
10	GROUNDING CELL	NON STOCK	9315642	NON STOCK	NON STOCK	USE TO LABEL ANODES
	ANODE, MAGNESIUM 17LBS	9311183	9311183	9311183	9311183	AS SPECIFIED BY CORROSION ENGINEERING SATURATE WITH WATER BEFORE BACKFILL. ANODE MAY BE INSTALLED VERTICALLY OR HORIZONTALLY.
11	COUPON	9386100	By Corrosion	9386100	By Corrosion	MC MILLER OR EQUAL
12	REFERENCE CELL	9385758	By Corrosion	9385758	By Corrosion	BORIN MPGR INC OR EQUAL

NOTE:

1. CATHODIC PROTECTION DETAILS ARE NOT COVERED UNDER PE STAMP.

THE DDS COMPANIES

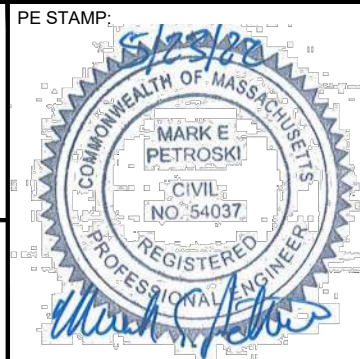
45 HENDRIX ROAD
WEST HENRIETTA, NY 14586
PHONE (585) 359-7540
FAX (585) 359-7541

BOSTON GAS COMPANY
d/b/a

nationalgrid

40 SYLVAN ROAD
WALTHAM, MA 02451

IFC



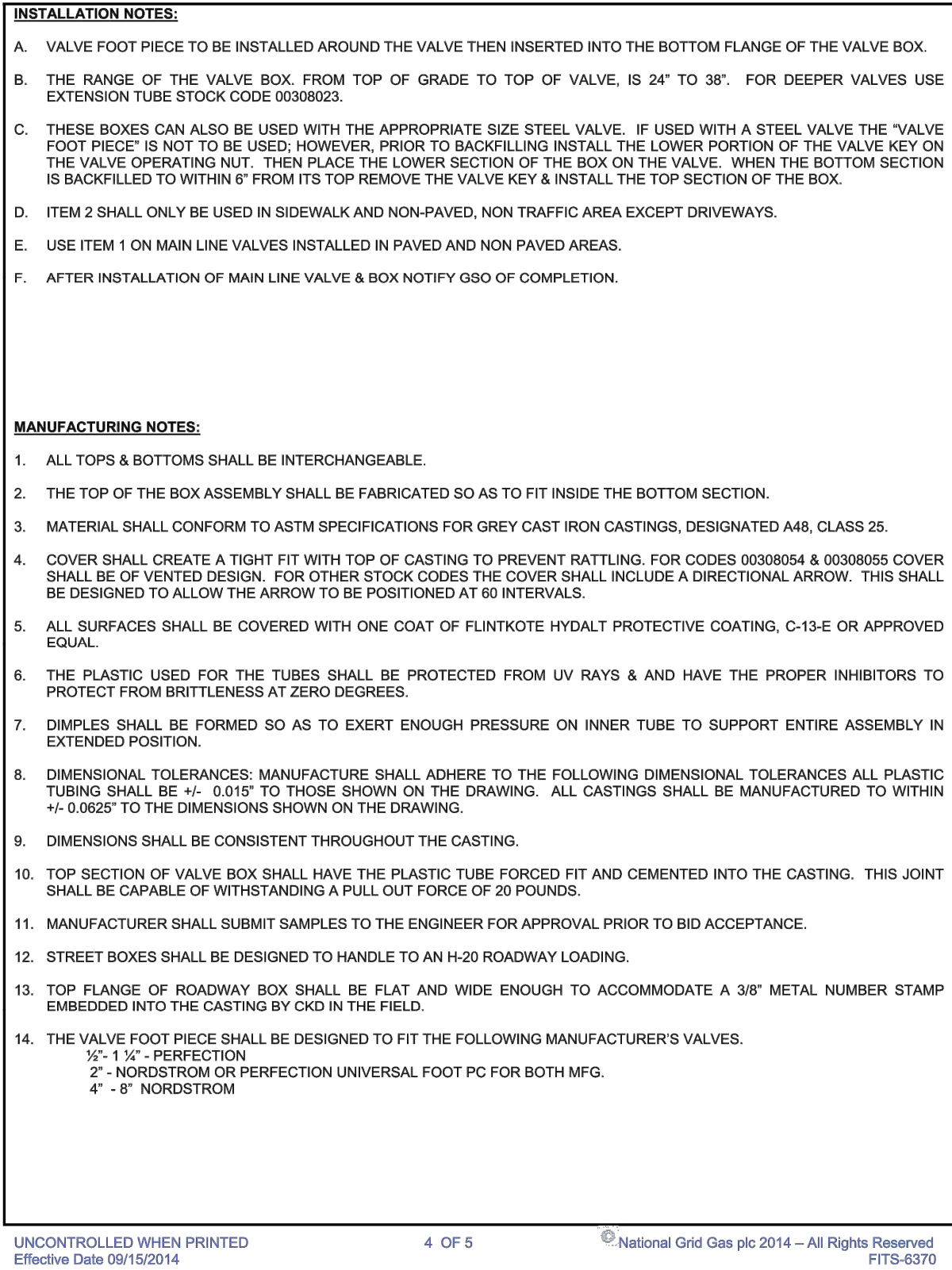
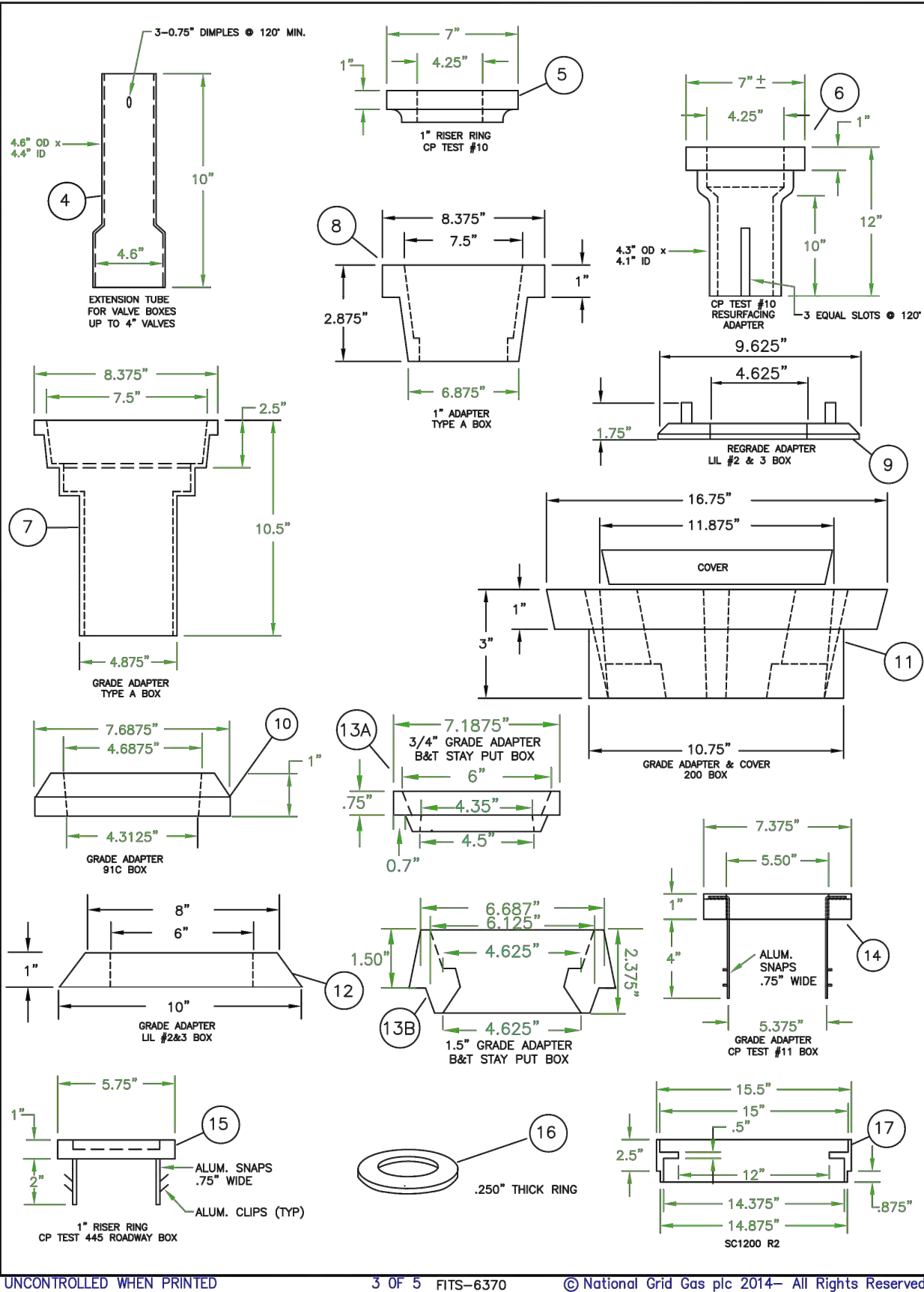
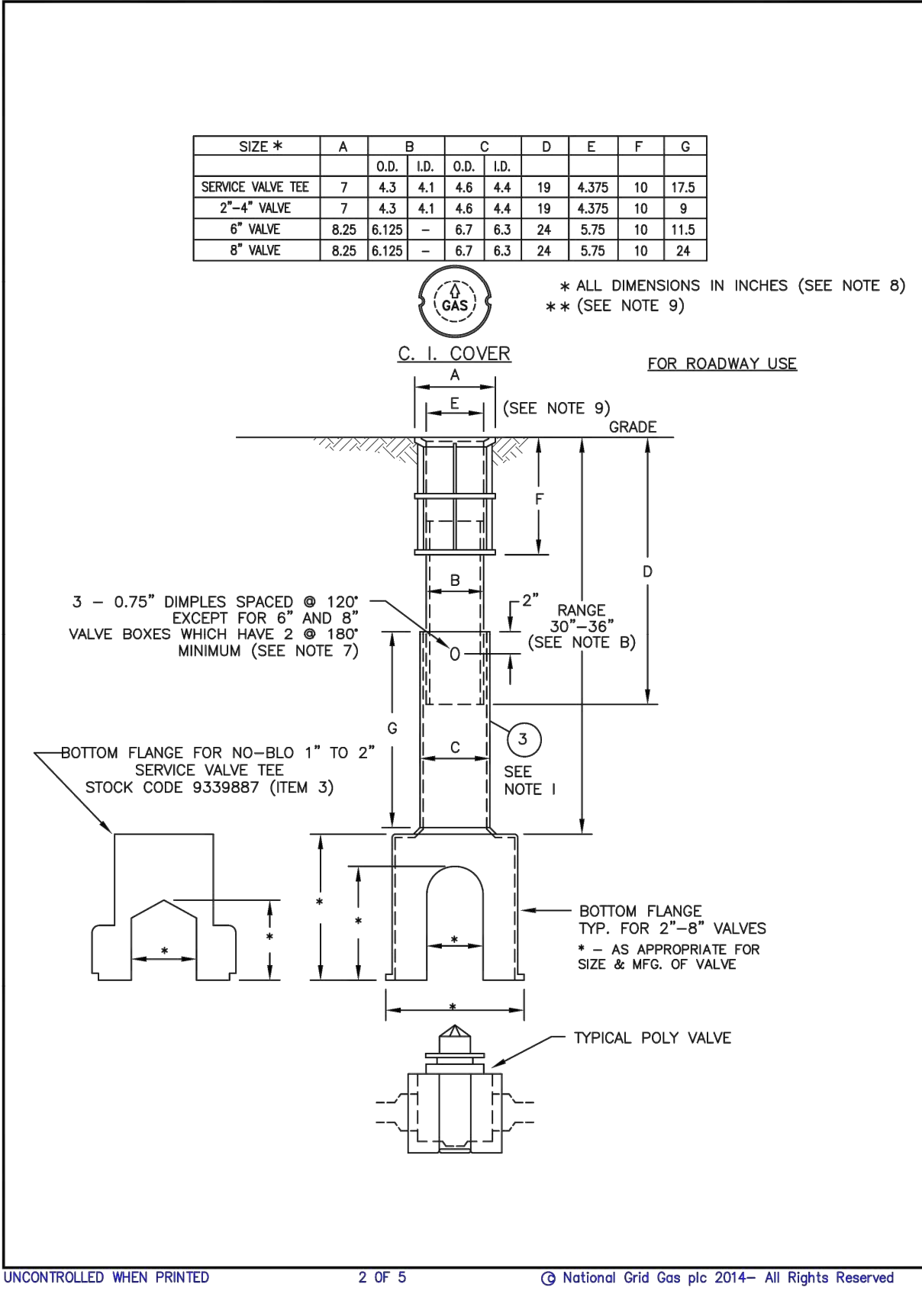
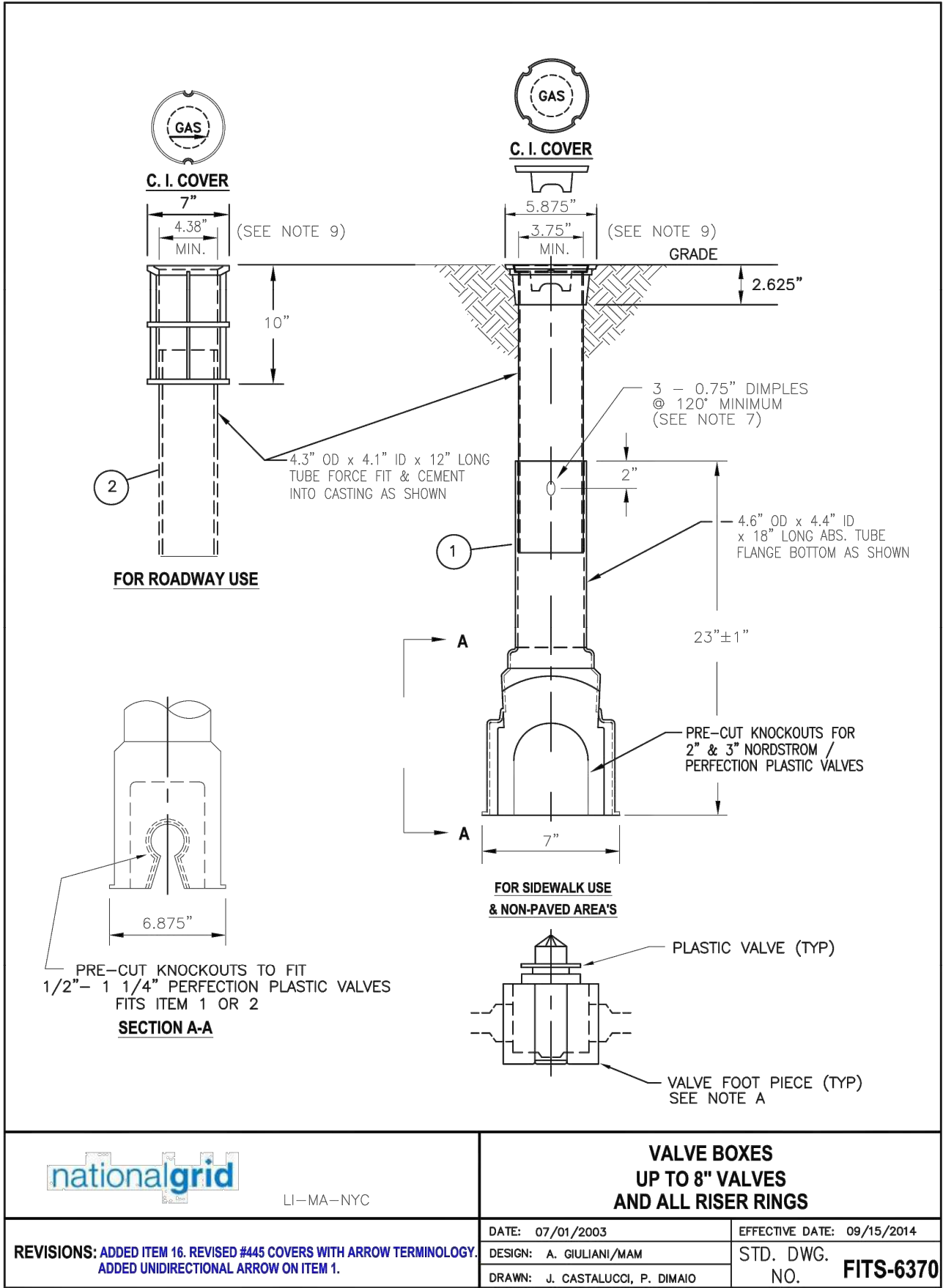
NO.	DESCRIPTION	DATE	DR.BY	CK.BY	APP.BY
A	ISSUED FOR CONSTRUCTION	05/23/2022	WMK	KMC	MEP

118-269 LOWELL ST, 10-24 NOURSE ST, & RESERVOIR RD
GAS MAIN REPLACEMENT
LOWELL ST, NOURSE ST, RESERVOIR RD, WESTMORELAND AVE, LOWELL ST PL,
ELDER TER, & W COURT TER, ARLINGTON, MA & LEXINGTON, MA

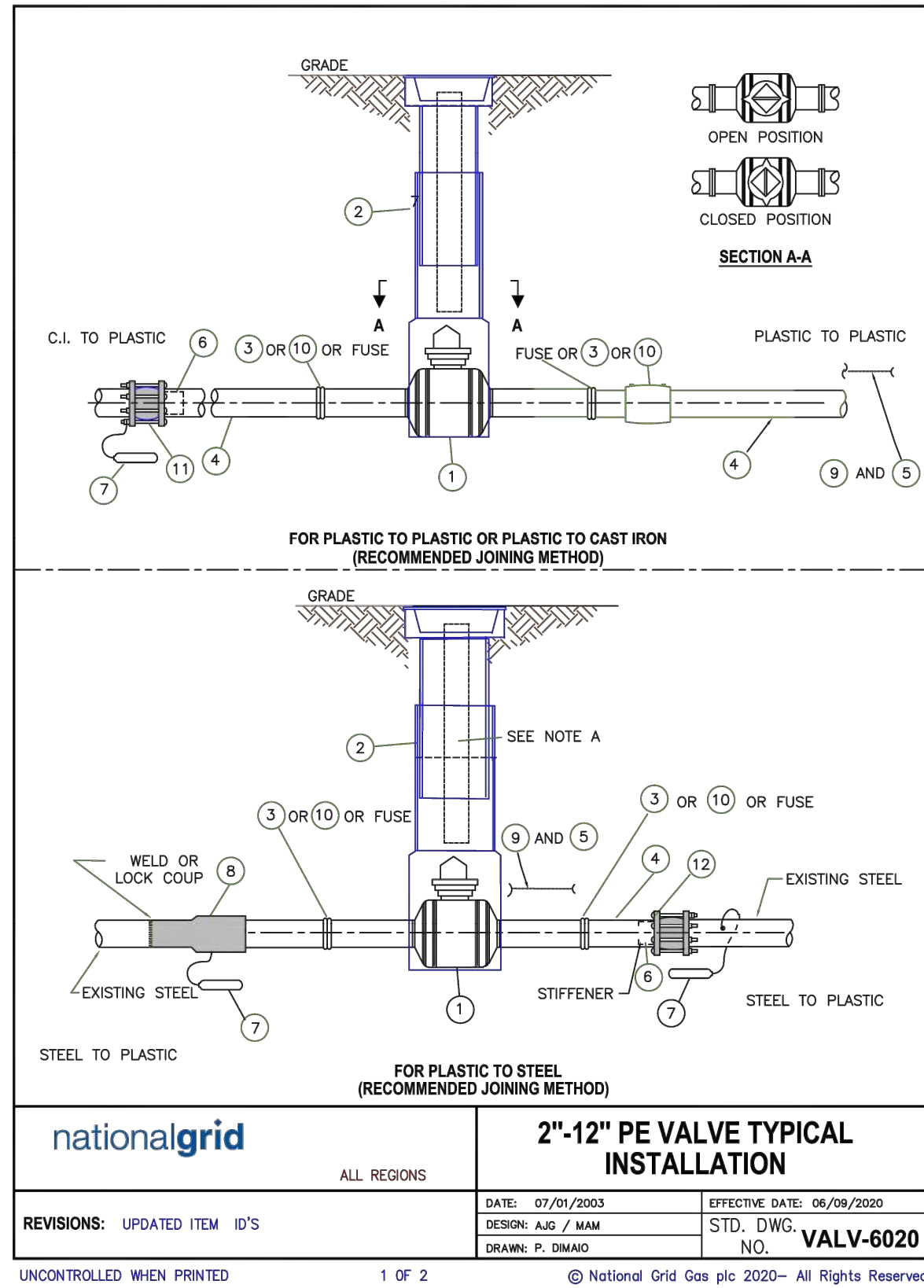
STANDARD DETAILS

DWG SIZE	DESIGNER	ENGINEER	DATE:	ASSET I.D.	W.O. NO.:
22"X34"	DDS COMPANIES	W. KOZEMKO	05/23/2022	XXXXXXX	1216594

PAGE 12 OF 13	
DRAWING NO.	SHEET NO.
C-303	12



No.	ITEM	N.G. CODE No.
18	PENTAGON KEY FOR ITEMS 8B AND 11B (NOT SHOWN)	9354644
17	2" REGRADE ADAPTER FOR 12" LOCKING BOX SC1200 R2	9384175
16	VALVE BOX ADAPTER RING, 1/4 INCH THICK X 5/8 INCH I.D. X 10-1/2 IN O.D. FLAT RING TO RAISE OLD AGENCY OBSOLETE LILCO ROUND CASTINGS	9383559
15	ONE INCH GRADE ADAPTER & COVER FOR CP TEST#445 ROADWAY BOX - NH ONLY	9383913
	REPLACEMENT COVER FOR LIL #2 BOX - LI ONLY	9383928
	COVER MARKED "GAS" FOR 445 BOX (WITH UNIDIRECTIONAL ARROW)	9383928
	COVER MARKED "GAS" FOR 445 BOX (WITHOUT UNIDIRECTIONAL ARROW)	9383950
	COVER MARKED "GAS" FOR 4" STAY PUT BOX - NYC ONLY	9383959
	COVER MARKED "GAS" FOR #11B BOX	9383958
	COVER MARKED "GAS" FOR #10 BOX RESURFACE REPAIR SLEEVE RING	9383952
14	1" REGRADE ADAPTER WITH COVER FOR CP TEST #11B BOX - SEE NOTE B	9382611
13A	3/4" REGRADE ADAPTER FOR BAT STAY PUT SERVICE BOX WITH SLOTS NYC ONLY	9383900
13B	1-1/2" REGRADE ADAPTER FOR BAT STAY PUT SERVICE BOX WITH SLOTS NYC ONLY	9383725
12	1" REGRADE ADAPTER FRAME FOR THE LIL 2 & 3 VALVE BOX	9383959
	COVER FOR ABOVE (NOT SHOWN) - LI ONLY	9383960
11B	COVER, REPLACEMENT, LOCKING, MARKED "GAS" FOR EXISTING LOCK TYPE 200 BOX, WITH PENTHEAD BOLT - LI ONLY (NOT SHOWN)	9384338
11A	COVER, REPLACEMENT, NON-LOCK, MARKED "GAS" FOR EXISTING NON-LOCK TYPE 200 BOX - LI ONLY (NOT SHOWN)	9383798
11	1" REGRADE ADAPTER FRAME & COVER FOR 200 VALVE BOX - LI ONLY	9383926
*	2-1/2" REGRADE ADAPTER FOR 200 VALVE BOX, FITS EXISTING COVER, (NOT SHOWN) - LI ONLY	9383799
10	1" REGRADE ADAPTER & COVER FOR 91C BOX - LI ONLY	9383761
9	1 3/4" REGRADE ADAPTER FOR LIL 283 BOX - LI ONLY	9383758
8B	COVER, REPLACEMENT, LOCKING, MARKED "GAS" FOR 7-1/2" EXISTING TYPE "A" LOCK VALVE BOXES, WITH PENTHEAD BOLT - LI ONLY (NOT SHOWN)	9383760
8A	COVER, REPLACEMENT, MARKED "GAS" FOR 7-1/2" EXISTING TYPE "A" NON-LOCK VALVE BOXES AND ALL TYPE "A" ADAPTER RINGS - LI ONLY (NOT SHOWN)	9384430
8	1" REGRADE ADAPTER FOR TYPE "A" VALVE BOX, FITS EXISTING COVER - LI ONLY	9383927
7	2-1/2" REGRADE ADAPTER FOR TYPE "A" VALVE BOX, 2-1/2 IN MIN TO 6 IN MAX RISE, FITS EXISTING COVER - LI ONLY	9383973
6	1" REGRADE ADAPTER RING EXTENSION WITH 10" PLASTIC SKIRT TO REPAIR TOPS OF CP TEST #10 BOX	9381407
5	1" REGRADE ADAPTER FOR CP TEST #10 BOX	9383823
4	EXTENSION TUBE - FOR CP TEST #11 BOX	9382619
	EXTENSION TUBE - FOR CP TEST #10 BOX	9382624
	EXTENSION TUBE, FOR CP TEST #558 BOX, 18" LONG - (NOT SHOWN) - NE ONLY	9383199
	EXTENSION TUBE, FOR CP TEST #334 BOX, 24" LONG - (NOT SHOWN) - NE ONLY	9383198
	ROADWAY BOX ASSEMBLY AND COVER FOR 8" POLYVALVE CP TEST #11B OR APPVD EQUAL	9383883
	ROADWAY BOX ASSEMBLY AND COVER FOR 6" POLYVALVE CP TEST #11B OR APPVD EQUAL	9383882
3	ROADWAY BOX ASSEMBLY AND COVER FOR 4" POLYVALVE CP TEST #10 OR APPVD EQUAL	9383981
	ROADWAY BOX ASSEMBLY AND COVER FOR 2" AND 3" POLYVALVES CP TEST #10 OR APPVD EQUAL	9383890
	ROADWAY BOX ASSEMBLY AND COVER FOR 1-1/2" MUELLER SERVICE VALVE CP TEST #10 OR APPVD EQUAL	9383887
2	ROADWAY SERVICE BOX AND COVER FOR 1/2" TO 1" PLASTIC VALVE NE ONLY CP TEST #10 OR APPVD EQUAL	9382767
1	SIDEWALK VALVE BOX ASSEMBLY AND UNIDIRECTIONAL ARROW COVER FOR 1/2" TO 1 1/4" PLASTIC VALVES CP TEST #445 OR APPRD EQUAL	9383988
	SIDEWALK VALVE BOX ASSEMBLY AND UNIDIRECTIONAL ARROW COVER FOR 2" TO 3" PLASTIC VALVES CP TEST #445 OR APPROVED EQUAL	9383989
No.	ITEM	N.G. CODE No.
BILL OF MATERIAL		

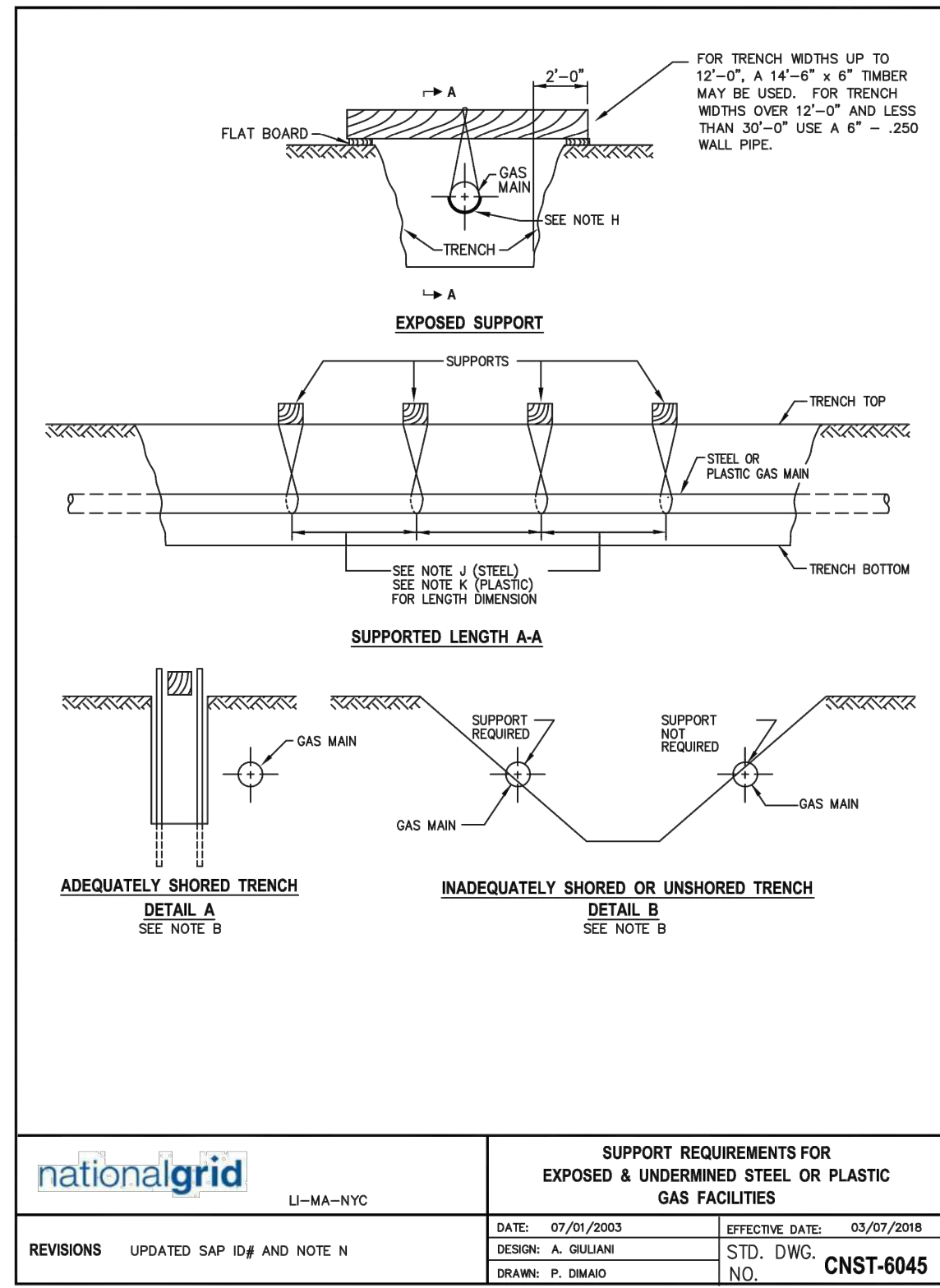


SAP ID	SAP ID	SAP ID
UNY AND RI	LI ONLY	LI, NYC AND NE
LP TO 100 PSIG HD	LP TO 60 PSIG HD	LP TO 60 PSIG MEDIUM DENSITY
9311203 12" DR 11 FULL PORT W/ GEAR OPERATOR RI ONLY	9341706 8" RED PORT DR 9	9341704 12" FULL PORT DR 13.5
9307909 12" DR 13.5 FULL PORT W/ GEAR OPER UNY ONLY	9341705 6" RED PORT DR 9	9386594 8" FULL PORT DR 13.5
9311173 8" DR 11 FULL PORT	9341700 4" RED PORT DR 9	9323032 6" FULL PORT DR 11.5
9315189 8" DR 11.5 FULL PORT UNY ONLY	9341699 2" FULL PORT DR 9	9341709 4" FULL PORT DR 11.5
9321116 8" DR 11 FULL PORT		9323299 3" FULL PORT DR 11
9312086 4" DR 11 FULL PORT		9341784 2" FULL PORT DR 11
9308561 3" DR 11 FULL PORT		9341408 8" RED PORT DR 13.5
9312060 2" DR 11 FULL PORT WITH PERMASERT ENDS		9341757 6" RED PORT DR 11.5
		9341693 4" RED PORT DR 11.5
		9341756 3" RED PORT DR 11
		100 PSIG HIGH DENSITY (NE ONLY)
		9323610 4" RED PORT DR 11
		9323611 6" RED PORT DR 11
		9323612 8" RED PORT DR 11
		9312059 4" FULL PORT DR 11
		9312116 6" FULL PORT DR 11
SAP ID	SAP ID	SAP ID
SELECT ROADWAY VALVE BOX BELOW TO MATCH SIZED VALVE GIVEN	SELECT ROADWAY VALVE BOX BELOW TO MATCH SIZED VALVE GIVEN	SELECT ROADWAY VALVE BOX BELOW TO MATCH SIZED VALVE GIVEN
SEE DWG FITS 6360 (FOR 12" VALVE)	9341706 8" RED PORT	9382626 FOR 12" FULL PORT
9311208 (FOR 2" THRU 8" VALVE)	9341705 6" RED PORT	9382626 FOR 8" FULL PORT
	9341700 4" RED PORT	9383983 FOR 6" FULL PORT
	9341699 2" FULL PORT	9383982 FOR 4" FULL PORT
		9383980 FOR 3" FULL PORT
		9383980 FOR 2" FULL PORT
		9383983 FOR 8" RED PORT
		9383982 FOR 6" RED PORT
		9383981 FOR 4" RED PORT
		9383981 FOR 3" RED PORT
No.	ITEM	

UNCONTROLLED WHEN PRINTED
Effective Date 06/09/2020

2 OF 2

© National Grid Gas plc 2020 - All Rights Reserved
VALV-6020

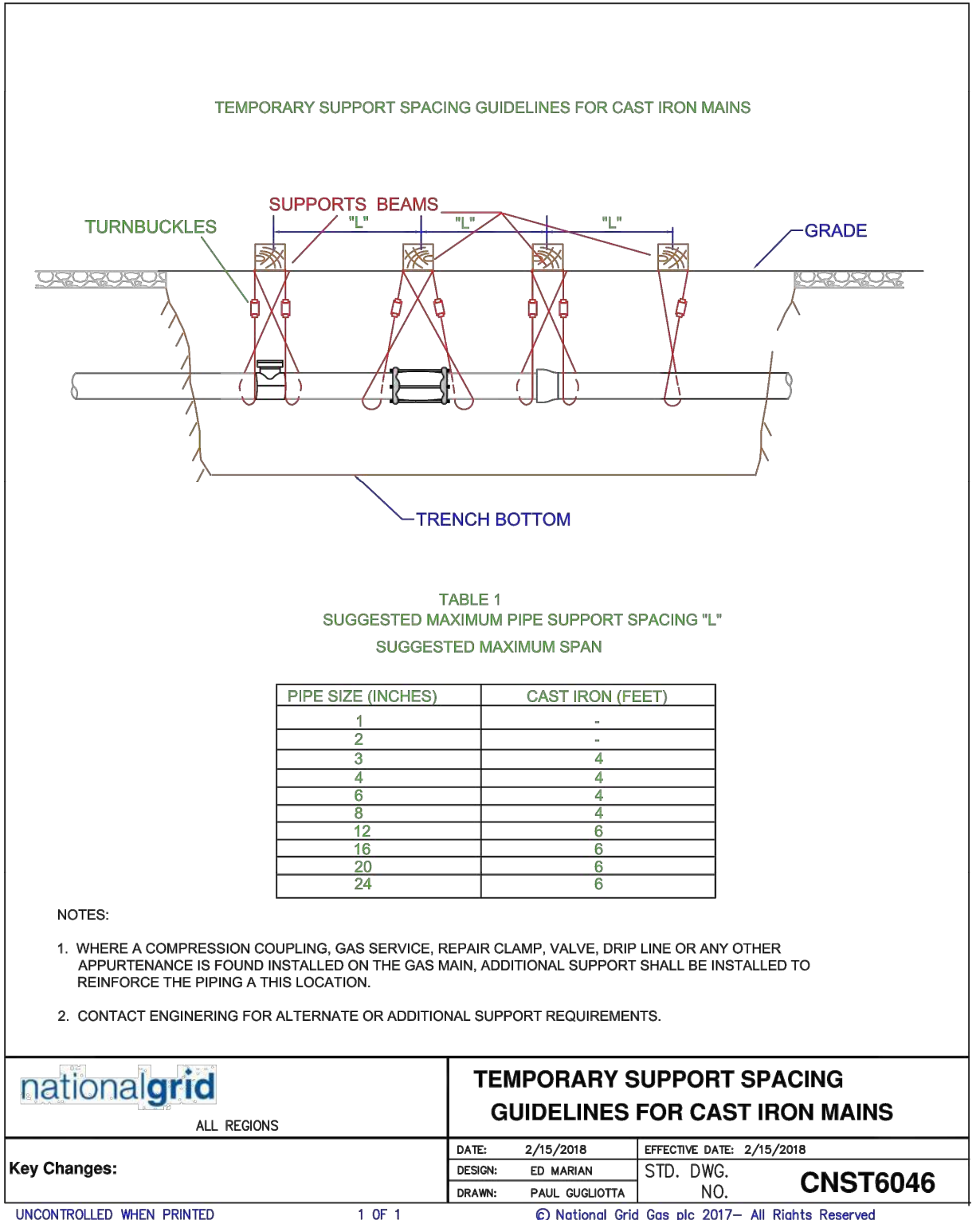


SAP ID	SAP ID	SAP ID
UNY AND RI	LI ONLY	LI, NYC AND NE
LP TO 100 PSIG HD	LP TO 60 PSIG HD	LP TO 60 PSIG MEDIUM DENSITY
9311203 12" DR 11 FULL PORT W/ GEAR OPERATOR RI ONLY	9341706 8" RED PORT DR 9	9341704 12" FULL PORT DR 13.5
9307909 12" DR 13.5 FULL PORT W/ GEAR OPER UNY ONLY	9341705 6" RED PORT DR 9	9386594 8" FULL PORT DR 13.5
9311173 8" DR 11 FULL PORT	9341700 4" RED PORT DR 9	9323032 6" FULL PORT DR 11.5
9315189 8" DR 11.5 FULL PORT UNY ONLY	9341699 2" FULL PORT DR 9	9341709 4" FULL PORT DR 11.5
9321116 8" DR 11 FULL PORT		9323299 3" FULL PORT DR 11
9312086 4" DR 11 FULL PORT		9341784 2" FULL PORT DR 11
9308561 3" DR 11 FULL PORT		9341408 8" RED PORT DR 13.5
9312060 2" DR 11 FULL PORT WITH PERMASERT ENDS		9341757 6" RED PORT DR 11.5
		9341693 4" RED PORT DR 11.5
		9341756 3" RED PORT DR 11
		100 PSIG HIGH DENSITY (NE ONLY)
		9323610 4" RED PORT DR 11
		9323611 6" RED PORT DR 11
		9323612 8" RED PORT DR 11
		9312059 4" FULL PORT DR 11
		9312116 6" FULL PORT DR 11
SAP ID	SAP ID	SAP ID
SELECT ROADWAY VALVE BOX BELOW TO MATCH SIZED VALVE GIVEN	SELECT ROADWAY VALVE BOX BELOW TO MATCH SIZED VALVE GIVEN	SELECT ROADWAY VALVE BOX BELOW TO MATCH SIZED VALVE GIVEN
SEE DWG FITS 6360 (FOR 12" VALVE)	9341706 8" RED PORT	9382626 FOR 12" FULL PORT
9311208 (FOR 2" THRU 8" VALVE)	9341705 6" RED PORT	9382626 FOR 8" FULL PORT
	9341700 4" RED PORT	9383983 FOR 6" FULL PORT
	9341699 2" FULL PORT	9383982 FOR 4" FULL PORT
		9383980 FOR 3" FULL PORT
		9383980 FOR 2" FULL PORT
		9383983 FOR 8" RED PORT
		9383982 FOR 6" RED PORT
		9383981 FOR 4" RED PORT
		9383981 FOR 3" RED PORT
No.	ITEM	

UNCONTROLLED WHEN PRINTED
Effective Date 06/09/2020

2 OF 2

© National Grid Gas plc 2020 - All Rights Reserved
VALV-6020



UNCONTROLLED WHEN PRINTED
Effective Date 06/09/2020

2 OF 2

© National Grid Gas plc 2020 - All Rights Reserved
VALV-6020

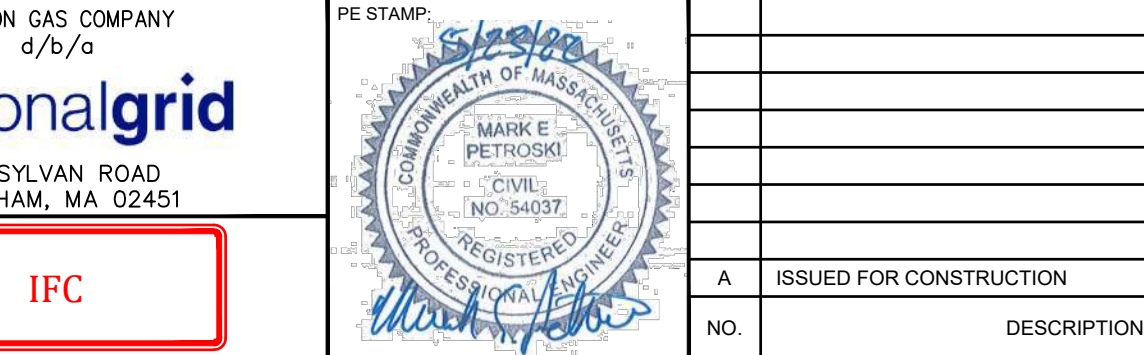


SAP ID	SAP ID	SAP ID
UNY AND RI	LI ONLY	LI, NYC AND NE
LP TO 100 PSIG HD	LP TO 60 PSIG HD	LP TO 60 PSIG MEDIUM DENSITY
9311203 12" DR 11 FULL PORT W/ GEAR OPERATOR RI ONLY	9341706 8" RED PORT DR 9	9341704 12" FULL PORT DR 13.5
9307909 12" DR 13.5 FULL PORT W/ GEAR OPER UNY ONLY	9341705 6" RED PORT DR 9	9386594 8" FULL PORT DR 13.5
9311173 8" DR 11 FULL PORT	9341700 4" RED PORT DR 9	9323032 6" FULL PORT DR 11.5
9315189 8" DR 11.5 FULL PORT UNY ONLY	9341699 2" FULL PORT DR 9	9341709 4" FULL PORT DR 11.5
9321116 8" DR 11 FULL PORT		9323299 3" FULL PORT DR 11
9312086 4" DR 11 FULL PORT		9341784 2" FULL PORT DR 11
9308561 3" DR 11 FULL PORT		9341408 8" RED PORT DR 13.5
9312060 2" DR 11 FULL PORT WITH PERMASERT ENDS		9341757 6" RED PORT DR 11.5
		9341693 4" RED PORT DR 11.5
		9341756 3" RED PORT DR 11
		100 PSIG HIGH DENSITY (NE ONLY)
		9323610 4" RED PORT DR 11
		9323611 6" RED PORT DR 11
		9323612 8" RED PORT DR 11
		9312059 4" FULL PORT DR 11
		9312116 6" FULL PORT DR 11
SAP ID	SAP ID	SAP ID
SELECT ROADWAY VALVE BOX BELOW TO MATCH SIZED VALVE GIVEN	SELECT ROADWAY VALVE BOX BELOW TO MATCH SIZED VALVE GIVEN	SELECT ROADWAY VALVE BOX BELOW TO MATCH SIZED VALVE GIVEN
SEE DWG FITS 6360 (FOR 12" VALVE)	9341706 8" RED PORT	9382626 FOR 12" FULL PORT
9311208 (FOR 2" THRU 8" VALVE)	9341705 6" RED PORT	9382626 FOR 8" FULL PORT
	9341700 4" RED PORT	9383983 FOR 6" FULL PORT
	9341699 2" FULL PORT	9383982 FOR 4" FULL PORT
		9383980 FOR 3" FULL PORT
		9383980 FOR 2" FULL PORT
		9383983 FOR 8" RED PORT
		9383982 FOR 6" RED PORT
		9383981 FOR 4" RED PORT
		9383981 FOR 3" RED PORT
No.	ITEM	

UNCONTROLLED WHEN PRINTED
Effective Date 06/09/2020

2 OF 2

© National Grid Gas plc 2020 - All Rights Reserved
VALV-6020

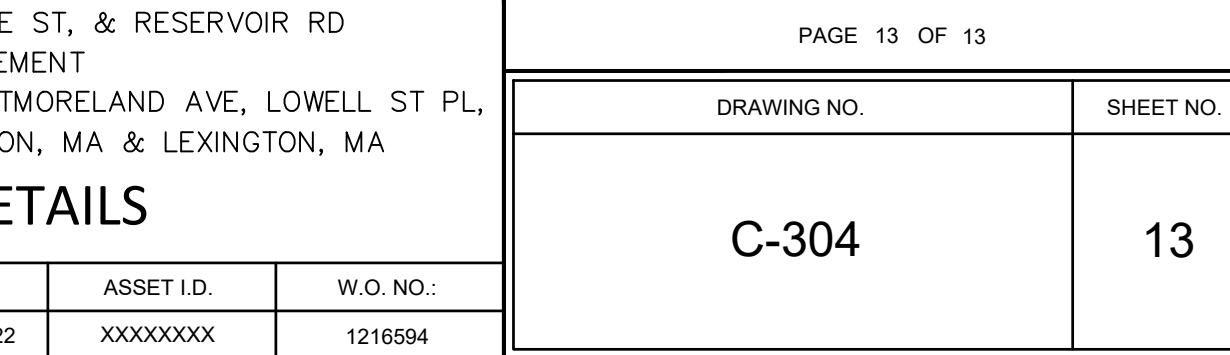


SAP ID	SAP ID	SAP ID
UNY AND RI	LI ONLY	LI, NYC AND NE
LP TO 100 PSIG HD	LP TO 60 PSIG HD	LP TO 60 PSIG MEDIUM DENSITY
9311203 12" DR 11 FULL PORT W/ GEAR OPERATOR RI ONLY	9341706 8" RED PORT DR 9	9341704 12" FULL PORT DR 13.5
9307909 12" DR 13.5 FULL PORT W/ GEAR OPER UNY ONLY	9341705 6" RED PORT DR 9	9386594 8" FULL PORT DR 13.5
9311173 8" DR 11 FULL PORT	9341700 4" RED PORT DR 9	9323032 6" FULL PORT DR 11.5
9315189 8" DR 11.5 FULL PORT UNY ONLY	9341699 2" FULL PORT DR 9	9341709 4" FULL PORT DR 11.5
9321116 8" DR 11 FULL PORT		9323299 3" FULL PORT DR 11
9312086 4" DR 11 FULL PORT		9341784 2" FULL PORT DR 11
9308561 3" DR 11 FULL PORT		9341408 8" RED PORT DR 13.5
9312060 2" DR 11 FULL PORT WITH PERMASERT ENDS		9341757 6" RED PORT DR 11.5
		9341693 4" RED PORT DR 11.5
		9341756 3" RED PORT DR 11
		100 PSIG HIGH DENSITY (NE ONLY)
		9323610 4" RED PORT DR 11
		9323611 6" RED PORT DR 11
		9323612 8" RED PORT DR 11
		9312059 4" FULL PORT DR 11
		9312116 6" FULL PORT DR 11
SAP ID	SAP ID	SAP ID
SELECT ROADWAY VALVE BOX BELOW TO MATCH SIZED VALVE GIVEN	SELECT ROADWAY VALVE BOX BELOW TO MATCH SIZED VALVE GIVEN	SELECT ROADWAY VALVE BOX BELOW TO MATCH SIZED VALVE GIVEN
SEE DWG FITS 6360 (FOR 12" VALVE)	9341706 8" RED PORT	9382626 FOR 12" FULL PORT
9311208 (FOR 2" THRU 8" VALVE)	9341705 6" RED PORT	9382626 FOR 8" FULL PORT
	9341700 4" RED PORT	9383983 FOR 6" FULL PORT
	9341699 2" FULL PORT	9383982 FOR 4" FULL PORT
		9383980 FOR 3" FULL PORT
		9383980 FOR 2" FULL PORT
		9383983 FOR 8" RED PORT
		9383982 FOR 6" RED PORT
		9383981 FOR 4" RED PORT
		9383981 FOR 3" RED PORT
No.	ITEM	

UNCONTROLLED WHEN PRINTED
Effective Date 06/09/2020

2 OF 2

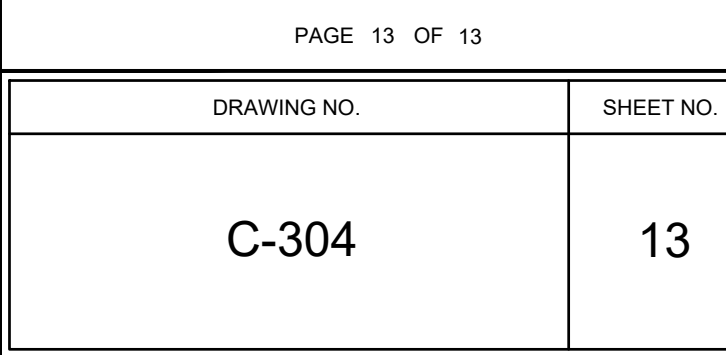
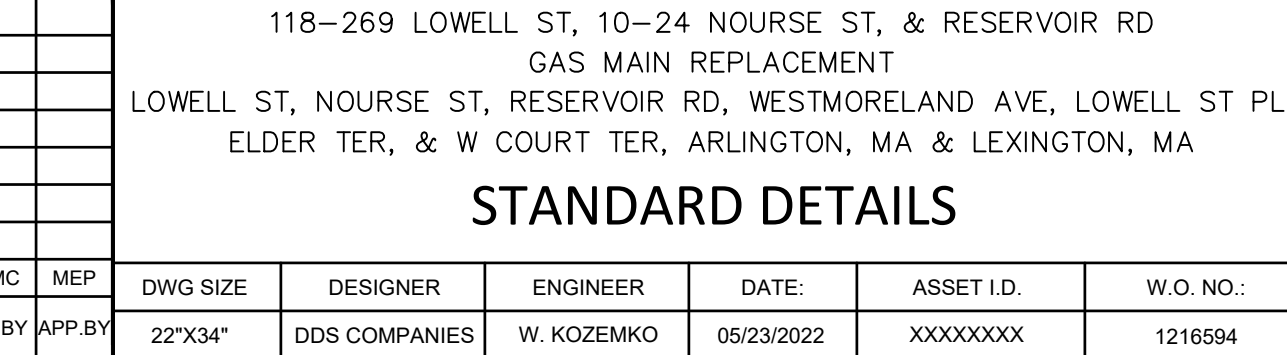
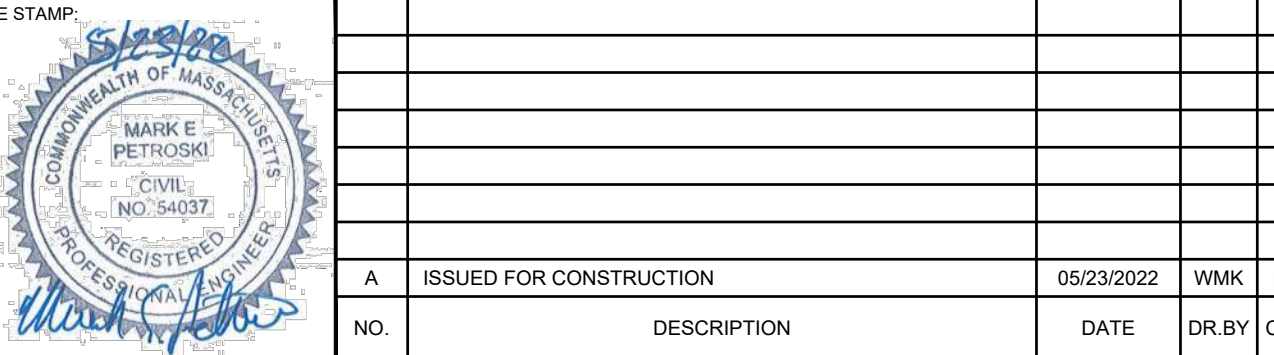
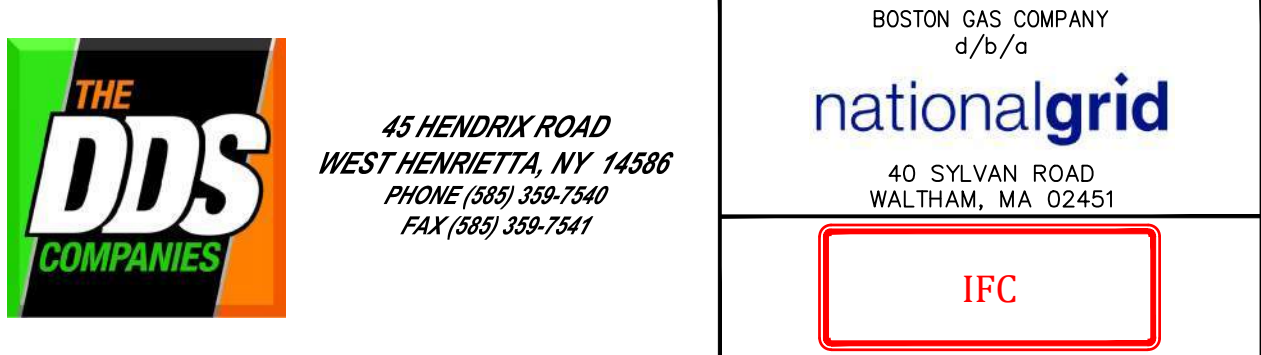
© National Grid Gas plc 2020 - All Rights Reserved
VALV-6020



UNCONTROLLED WHEN PRINTED
Effective Date 06/09/2020

2 OF 2

© National Grid Gas plc 2020 - All Rights Reserved
VALV-6020



ATTACHMENT D

Photographic Log


Client: Boston Gas Company

Job Number: N-5068-212

Gas Main Replacement Project

Site: Arlington, Massachusetts

Photograph No.: 1	Date: 7/6/2022	Direction Taken: West
Description: Overview of the Arlington Reservoir, facing west.		
		

Photograph No.: 2	Date: 7/6/2022	Direction Taken: North
Description: Overview of the public beach area connected to the Arlington Reservoir, facing north.		
		

Photographic Log

Client: Boston Gas Company

Job Number: N-5068-212

Gas Main Replacement Project

Site: Arlington, Massachusetts

Photograph No.: 3	Date: November 2020	Direction Taken: South
Description: View of Lowell Street adjacent to the Arlington Reservoir and beach with the approximate location of the proposed gas main, facing south.		
		

Photograph No.: 4	Date: November 2020	Direction Taken: Southwest
Description: View of Lowell Street Place with the approximate location of the proposed gas main, facing southwest. This portion of the gas main replacement is within BLSF.		
		

ATTACHMENT E

SUBJECT

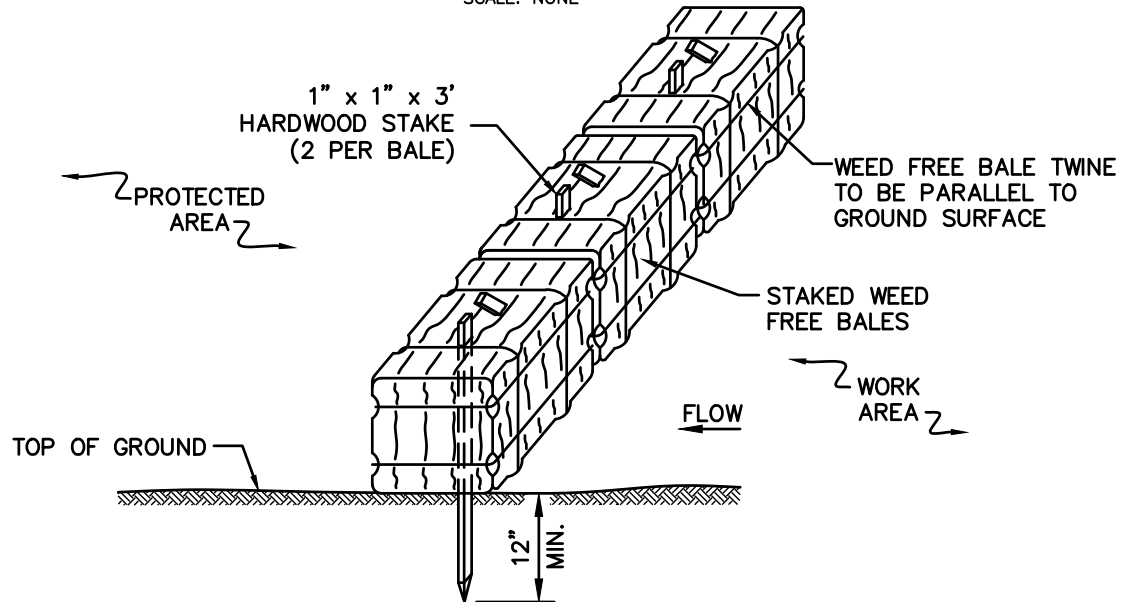
Access, Maintenance and Construction
Best Management Practices

Reference

EP No. 3 - Natural Resource
Protection (Chapter 6)

BMP DETAIL

SCALE: NONE

**NOTES:**

1. THE GROUND SHALL BE PREPARED TO PROVIDE COMPLETE CONTACT WITH THE BALES.

BMP PICTURE**APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES**

PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

SEC-1

WEED FREE BALE BARRIER

71 of 92

SUBJECT

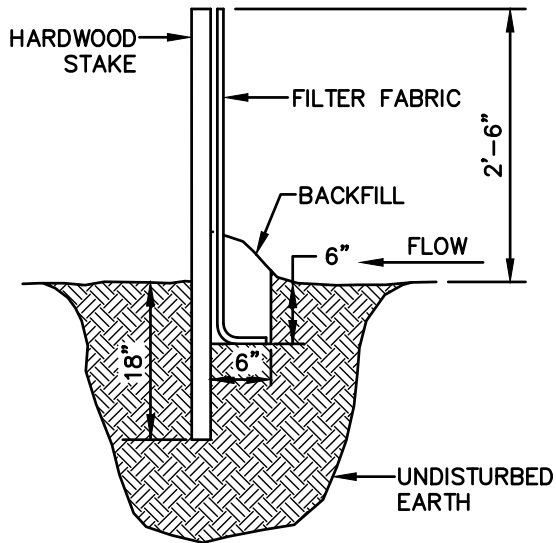
Access, Maintenance and Construction
Best Management Practices

Reference

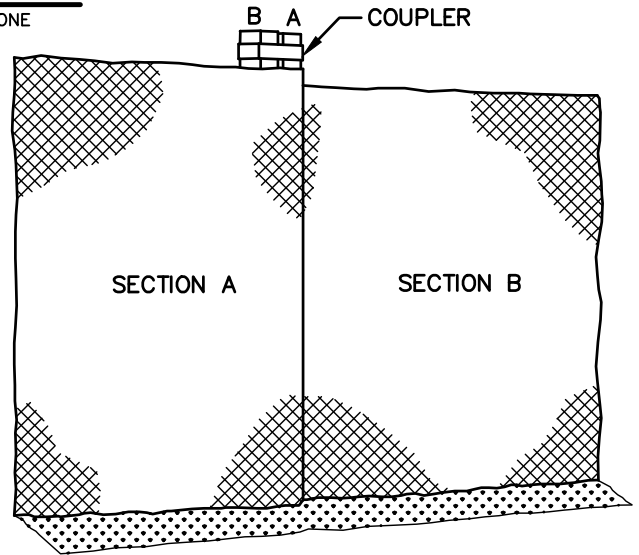
EP No. 3 - Natural Resource
Protection (Chapter 6)

BMP DETAIL

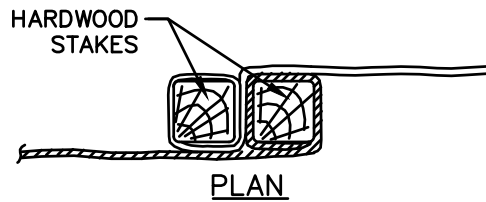
SCALE: NONE



PROFILE



SECTION



PLAN

BMP PICTURE



APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES

PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

SUBJECT

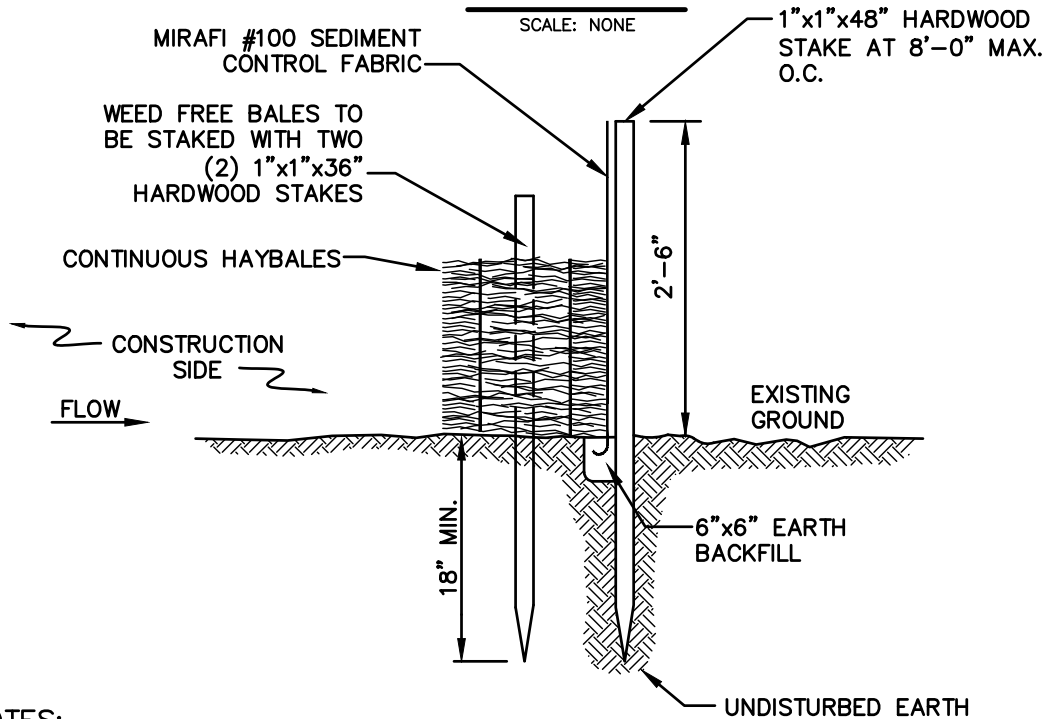
Access, Maintenance and Construction
Best Management Practices

Reference

EP No. 3 - Natural Resource
Protection (Chapter 6)

BMP DETAIL

SCALE: NONE

**NOTES:**

1. BALES SHALL BE PLACED IN A ROW WITH THE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. BALES SHALL BE SECURELY ANCHORED IN PLACE BY TWO (2) 1"x1"x36" HARDWOOD STAKES DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
3. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
4. BALES SHALL BE REMOVED AND REPLACED WHEN THEY BECOME FILLED WITH SEDIMENT AND BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
5. BALES SHALL BE REMOVED WHEN THE EMBANKMENTS STABILIZE.
6. BALES TO BE TWINE BOUND.

BMP PICTURE

APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES

PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

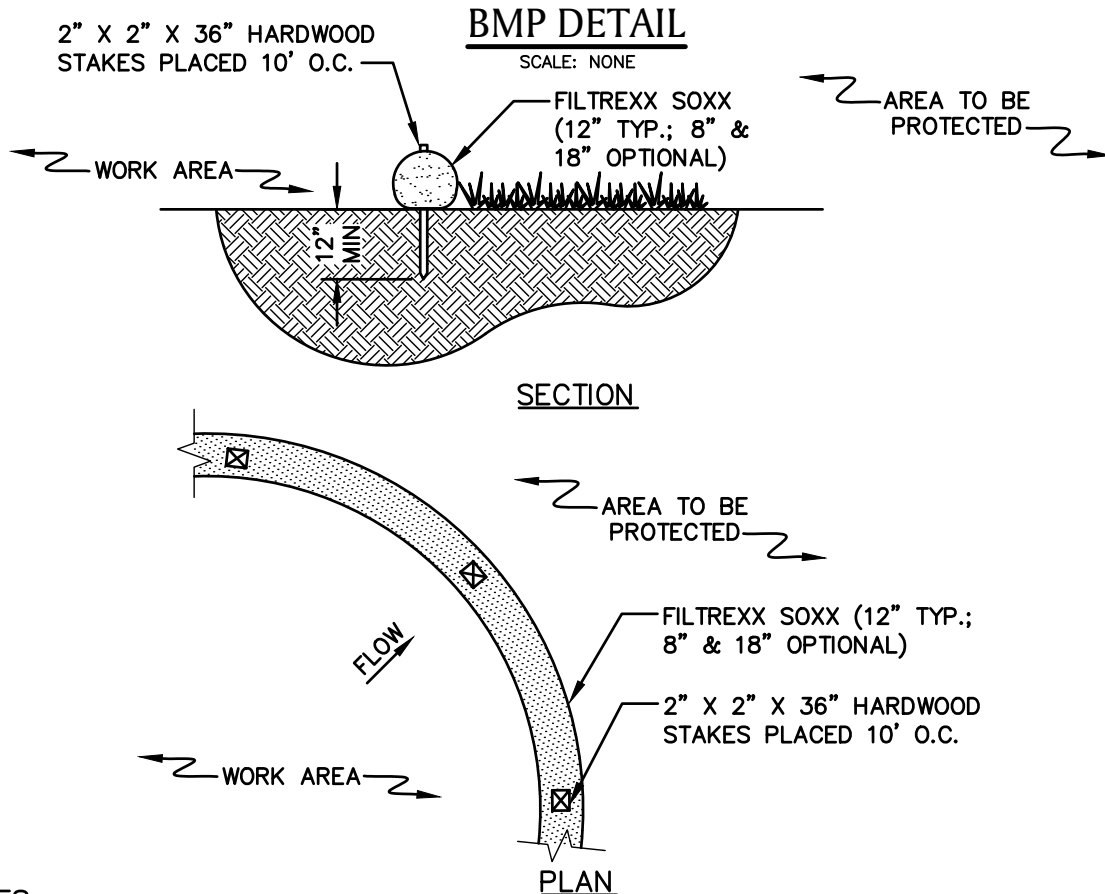
SEC-3
SILT FENCE /
WEED FREE BARRIER
7/31/02

SUBJECT

Access, Maintenance and Construction
Best Management Practices

Reference

EP No. 3 - Natural Resource
Protection (Chapter 6)

NOTES

1. PRODUCT TO BE FILTREXX SILT SOXX OR APPROVED EQUAL BY NATIONAL GRID ENVIRONMENTAL SCIENTIST.
2. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
3. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
4. MESH CONTAINMENT MATERIAL SHOULD BE KNITTED PHOTODEGRADABLE OR BIODEGRADABLE MATERIAL, WITH OPENING SIZES BETWEEN 1/8" – 3/8".
5. COMPOST MEDIA SHOULD HAVE PARTICLE SIZE WHERE 99% < 2", 50% > 1/2".
6. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY NATIONAL GRID ENVIRONMENTAL SCIENTIST.

BMP PICTURE

* PICTURE AND DETAIL PROVIDED BY FILTREXX LAND IMPROVEMENT SYSTEMS
APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES
PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

SEC-4
SILT SOXX *

74 of 92

SUBJECT

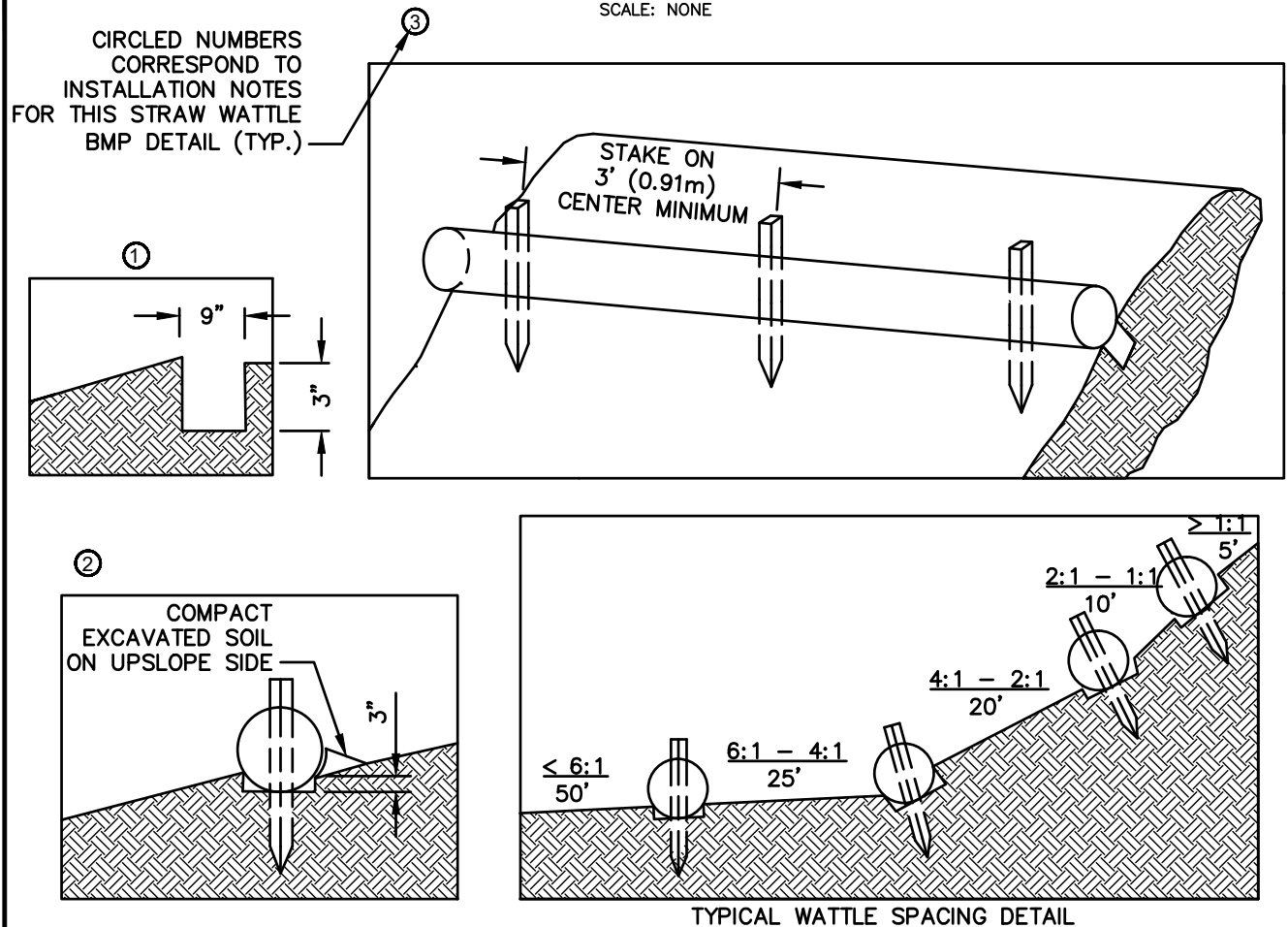
Access, Maintenance and Construction
Best Management Practices

Reference

EP No. 3 - Natural Resource
Protection (Chapter 6)

BMP DETAIL

SCALE: NONE

**NOTES:**

1. PRODUCT TO BE TENSAR NORTH AMERICAN GREEN STRAW WATTLE OR APPROVED EQUAL BY NATIONAL GRID ENVIRONMENTAL SCIENTIST.
2. TYPICAL WATTLE SPACING BASED ON SLOPE GRADIENT. COORDINATE SPACING AND LOCATION WITH NATIONAL GRID ENVIRONMENTAL SCIENTIST.
3. MINIMUM 12" DIAMETER WATTLES SHOULD BE USED FOR HIGHLY DISTURBED AREAS (I.E., HEAVILY USED ACCESS ROAD WITH ADJACENT WETLAND) AND MINIMUM 9-10" WATTLES SHOULD BE USED FOR LESS DISTURBED SOILS.

INSTALLATION NOTES:

1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 2-3" DEEP X 9" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UPSLOPE FROM THE ANCHOR TRENCH.
2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD TIGHTLY ABUT.
3. SECURE THE WATTLE WITH 18-24" HARDWOOD STAKES EVERY 3-4' AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 2-3" OF STAKE EXTENDING ABOVE THE WATTLE. STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.

* DETAIL AND PICTURE PROVIDED BY TENSAR NORTH AMERICAN GREEN
APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES
PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

SEC-5
STRAW WATTLE * (1 OF 2)
75 of 92

SUBJECT

Access, Maintenance and Construction
Best Management Practices

Reference

EP No. 3 - Natural Resource
Protection (Chapter 6)

BMP PICTURE

STRAW WATTLE – SHALLOW SLOPE ($\leq 4:1$)
(ALTERNATE STAKING)

ALTERNATE STAKING INSTALLATION NOTES:

1. ON SHALLOW SLOPES ($\leq 4:1$), STRAW WATTLE MAY BE SECURED WITH 18–24" HARDWOOD STAKES DRIVEN AGAINST THE SIDES OF THE WATTLE INSTEAD OF THROUGH. STAKES SHALL ALTERNATE SIDES, AND BE SPACED 3–4' MAX.
2. TWINE SHALL BE TIED FROM STAKE TO STAKE, CRISS-CROSSING THE STRAW WATTLE. TIE TWINE TO STAKES BELOW THE HEIGHT OF THE WATTLE.

SUBJECT

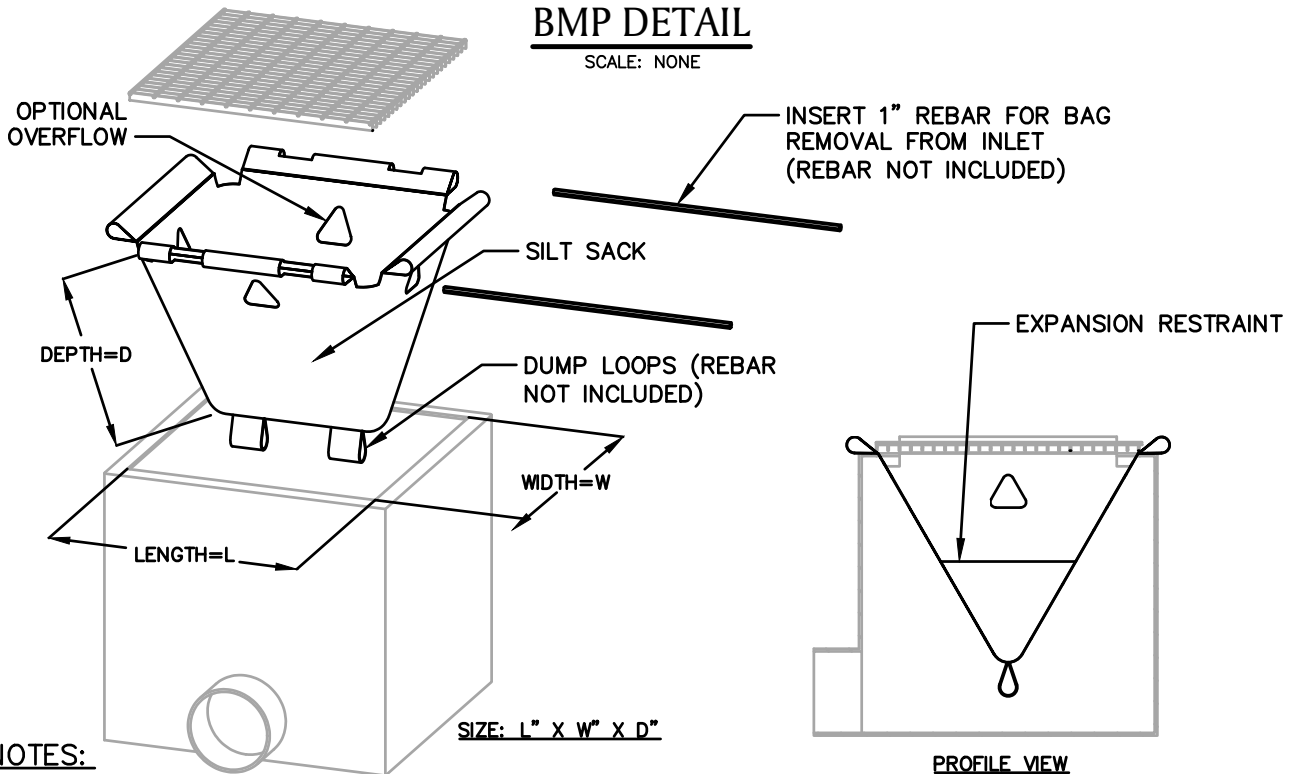
Access, Maintenance and Construction
Best Management Practices

Reference

EP No. 3 - Natural Resource
Protection (Chapter 6)

BMP DETAIL

SCALE: NONE

**NOTES:**

1. PRODUCT TO BE SILT SACK OR APPROVED EQUAL BY NATIONAL GRID ENVIRONMENTAL SCIENTIST.
2. THE USE OF A SILT SACK OPTIONAL OVERFLOW AND OVERALL DIMENSIONS ARE TO BE COORDINATED WITH A NATIONAL GRID ENVIRONMENTAL SCIENTIST.

BMP PICTURE

* DETAIL PROVIDED BY ACF ENVIRONMENTAL

APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES

PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

AA-20
SILT SACK *

77 of 92

ATTACHMENT F



Office of the
Board of Assessors
Robbins Memorial Town Hall
Arlington, MA 02476
(781) 316-3050
Assessors@town.arlington.ma.us

Abutters List

Date: July 13, 2022

Subject Property Address: Roadway right-of-way of Lowell Street Place. For Gas Main Replacement

Search Distance: 100 Feet

The Board of Assessors certifies the names and addresses of requested parties in interest, all abutters within 100 feet of the Roadway as described above.

**BOARD OF ASSESSORS
TOWN HALL
ARLINGTON, MA 02476**

Board of Assessors

ABUTTERS LIST**Date: July 13, 2022****Subject Property Address: Roadway right-of-way of Lowell Street Place.****For Gas Main Replacement****Search Distance: 100 Feet**

Parcel ID	Property Location	Owner 1	Owner 2	Mailing Address			
				Street Address	City/Town	State	Zip
60.A-4-2	10-12 NOURSE ST UNIT 2	FORGIE WENDY		10 NOURSE STREET #2	ARLINGTON	MA	02474
60.A-4-1	10-12 NOURSE ST UNIT 1	GIGUERE CHRISTINE		12 NOURSE STREET #1	ARLINGTON	MA	02474
60.A-4-14	14 NOURSE ST UNIT 14	SANDROF BENJAMIN	HOPPER MOLLY	14 NOURSE ST	ARLINGTON	MA	02474
60.A-4-16	16 NOURSE ST UNIT 16	GRANUCCI CARMINE A	GRANUCCI RAMONA E NICHOLS	16 NOURSE ST	ARLINGTON	MA	02474
60.A-4-18	18-20 NOURSE ST UNIT 18	GAUDET JAMIE-LYN	CHEN DANIEL	18 NOURSE ST	ARLINGTON	MA	02474
60.A-4-20	18-20 NOURSE ST UNIT 20	ZHU XIAOTONG	WANG CONGYING	20 NOURSE ST	ARLINGTON	MA	02474
60-1-1.A	0-LOT PARK AVE	ARLINGTON COAL & LUMBER CO		41 PARK AVE	ARLINGTON	MA	02476
60-1-2	41-45 PARK AVE	ARLINGTON COAL & LUMBER CO		41 PARK AVE	ARLINGTON	MA	02476
60-4-1	22-24 NOURSE ST	KALAJIAN TAMI/GARY		22-24 NOURSE ST	ARLINGTON	MA	02474
60-4-6	142 LOWELL ST	OSHAUGHNESSY JAMES P		142 LOWELL ST	ARLINGTON	MA	02474
60-4-7	140 LOWELL ST	BURGIN LEWIS & JENNIFER		140 LOWELL ST	ARLINGTON	MA	02474
60-4-8	136 LOWELL ST	TAYLOR COREY H M	TAYLOR STEPHANIE LEIGH	136 LOWELL ST	ARLINGTON	MA	02474
60-4-9	11 LOWELL ST PL	MANSFIELD TODD H		11 LOWELL ST PL	ARLINGTON	MA	02474
60-4-10	15 LOWELL ST PL	OLEJNIK KATARZYNA L		15 LOWELL ST PL	ARLINGTON	MA	02474
60-4-11	17-19 LOWELL ST PL	PRAY DONNA S		17 LOWELL ST PLACE	ARLINGTON	MA	02474
60-4-12	23 LOWELL ST PL	WHITING JAMES K & MIRA C		23 LOWELL ST PL	ARLINGTON	MA	02474
60-5-1	20-22 LOWELL ST PL	SHAKARYAN KAMELIYA A		84 SALEM STREET	WILMINGTON	MA	01887
60-5-3	16 LOWELL ST PL	MUSIAL PETER M	MUSIAL-SIWEK MONIKA	16 LOWELL STREET PL	ARLINGTON	MA	02474
60-5-5.B	132 LOWELL ST	LANTHIER ELEANOR A		132 LOWELL ST	ARLINGTON	MA	02474
60-5-6	128 LOWELL ST	SMITH NANCY T &	GUSTIN CHRISTOPHER S	128 LOWELL STREET	ARLINGTON	MA	02474
60-5-7	124-126 LOWELL ST	BOURIKAS MARIA/ LIFE ESTATE		126 LOWELL STREET	ARLINGTON	MA	02474
60-5-11.D	114 LOWELL ST	DSBI LLC		252 MASSACHUSETTS AVE	ARLINGTON	MA	02474
60.A-1-10	10 LOWELL ST PL UNIT 10	MODICA CATHERINE A		10 LOWELL ST PL	ARLINGTON	MA	02474
60.A-1-12	12 LOWELL ST PL UNIT 12	GREENE DAVID P	GREENE ELIZABETH R	12 LOWELL ST PL	ARLINGTON	MA	02474

Abutter Notification

Notification to Abutters Under the Massachusetts Wetlands Protection Act And Arlington Wetlands Protection Bylaw

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, and the Arlington Wetlands Protection Bylaw, you are hereby notified of the following:

The Conservation Commission will hold a virtual public meeting using Zoom, on Thursday, August 4th, 2022, at 7:30 PM in accordance with the provisions of the Mass. Wetlands Protection Act (M.G.L. Ch. 131, s. 40, as amended), the Town of Arlington Bylaws Article 8, Bylaw for Wetland Protection, and in accordance with the Governor's Order Suspending Certain Provisions of the Open Meeting Law, G. L. c. 30A, § 20 relating to the COVID-19 emergency, for a Request for Determination of Applicability from Boston Gas Company, for gas main replacement activities at the roadway right-of-way (ROW) of Lowell Street Place within Bordering Land Subject to Flooding. Please refer to the Commission's online meeting agenda for specific Zoom meeting access information.

A copy of the application and accompanying plans are available by request by contacting the Arlington Conservation at 781-316-3012 or mmuszynski@town.arlington.ma.us. For more information call the applicant's representative at (413) 572-3224 or the Arlington Conservation Commission at 781-316-3229, or the DEP Northeast Regional Office at 978-694-3200.

NOTE: Notice of the Public Hearing will be published at least five (5) business days in advance in The Arlington Advocate and will also be posted at least 48 hours in advance in the Arlington Town Hall.

The meeting information for your hearing is:

Date: Thursday, August 4th, 2022

Time: 7:30 PM

Affidavit of Service

(Please return to Conservation Commission)

I, Melissa P. Coady, being duly sworn, do hereby state as follows: on July 18, 2022, I mailed a "Notification to Abutters" in compliance with the second paragraph of Massachusetts General Laws, Chapter 131, s.40, the DEP Guide to Abutter Notification dated April 8, 1994, and the Arlington Wetlands Protection Bylaw, Title V, Article 8 of the Town of Arlington Bylaws in connection with the following matter:

Gas main replacement activities within portions of Lowell Street Place

The form of the notification, and a list of the abutters to whom it was provided and their addresses, are attached to this Affidavit of Service.

Signed under the pains and penalties of perjury, this 18th day of July.



Melissa P. Coady

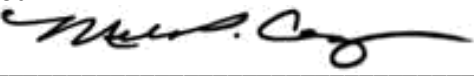
Legal Notice Charge Authorization

DATE: 7/18/2022

TO: legals@wickedlocal.com

I hereby authorize Community Newspapers to bill me directly for the legal notice to be published in the Arlington Advocate newspaper on 7/28/2022 for a public hearing with the Arlington Conservation Commission to review a project at the following location:
Lowell Street, West Court Terrace, Elder Terrace, Lowell Street Place, Nourse Street, and Reservoir Road

Thank you.

Signed: 

Send bill to:

Tighe & Bond c/o Melissa Coady (Address)

53 Southampton Road

Westfield, MA 01085

(413) 572-3224 (Phone)



Town of Arlington, Massachusetts

Certificate of Compliance: 34 Dudley Street (Continued)

Summary:

Certificate of Compliance: 34 Dudley Street (Continued)

Documents: 34 Dudley Street Revised As-Built Plan

This application was first heard on June 2, 2022. The hearing has been continued at the applicant's request. The commission requested the applicant address the stormwater system that was not installed and propose a scenario for accomplishing a partial Certificate of Compliance.

This public hearing will consider a Request for Certificate of Compliance by Joseph R. Porter of VTP Associates, Inc., for the completed redevelopment at 34 Dudley Street (DEP #091-0309).

ATTACHMENTS:

	Type	File Name	Description
▢	Reference Material	34_Dudley_Street_Revised_As-Built_Plan.pdf	34 Dudley Street Revised As-Built Plan

VTP

ASSOCIATES

INC.

LAND SURVEYORS-CIVIL ENGINEERS
MORTGAGE INSPECTION
SPECIALISTS

TEL (617) 332-8271
TELEFAX (617) 969-2330
EMAIL: vtp@vtpassociates.com

132 ADAMS STREET
2ND FLOOR, SUITE 3
NEWTON, MA 02458

July 14, 2022

To: Ms. Susan Chapnick, Chair
Town of Arlington – Conservation Commission – Town Hall
730 Mass Av. Annex, Arlington, MA 02476

From: VTP Associates Inc

Re: 34 Dudley Street (DEP #091-0309)

Dear Commission Members:

I am herewith submitting copies of the as-built plan for the above reference project.

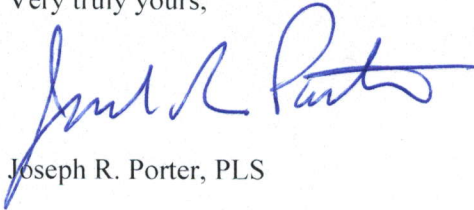
As Jesse Morgan have completed the work for the project in substantial compliance with the Order of Conditions issued by the Town of Arlington Conservation Commission and recorded at the Middlesex South Registry of Deeds (Book 73104, page 536). On their behalf I am requesting a certificate of compliance.

Below is a list of deviations from the proposed plan:

1. *There are no plantings installed.*
2. *The infiltration system was not built.*

As usual, if you have any questions or need further information please do not hesitate to contact me.

Very truly yours,



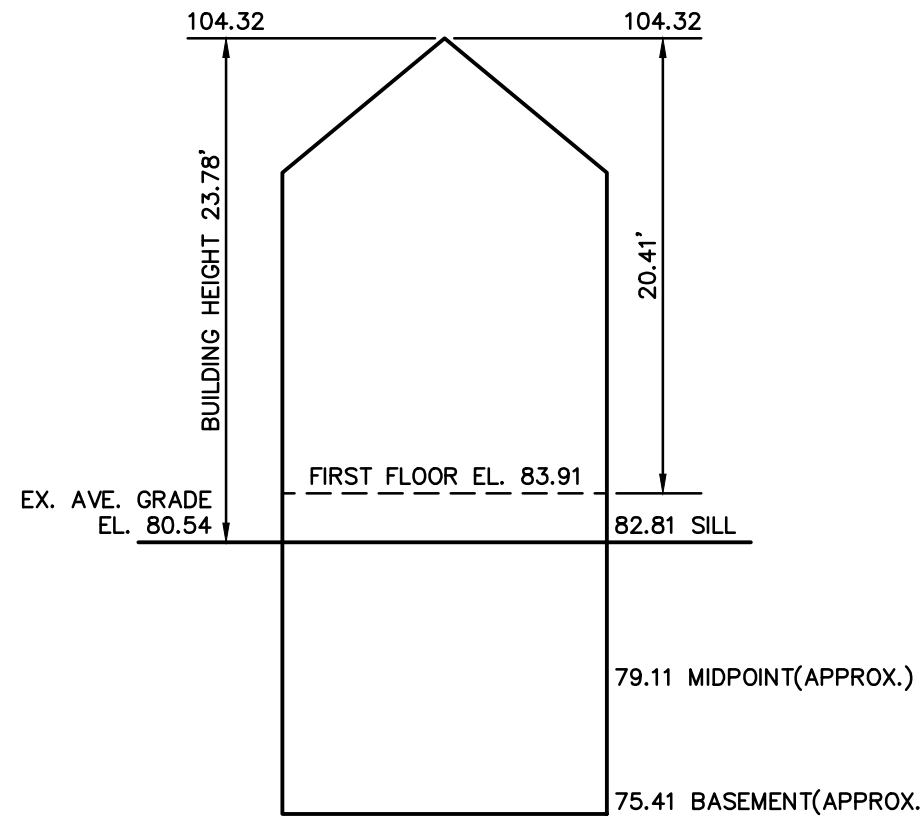
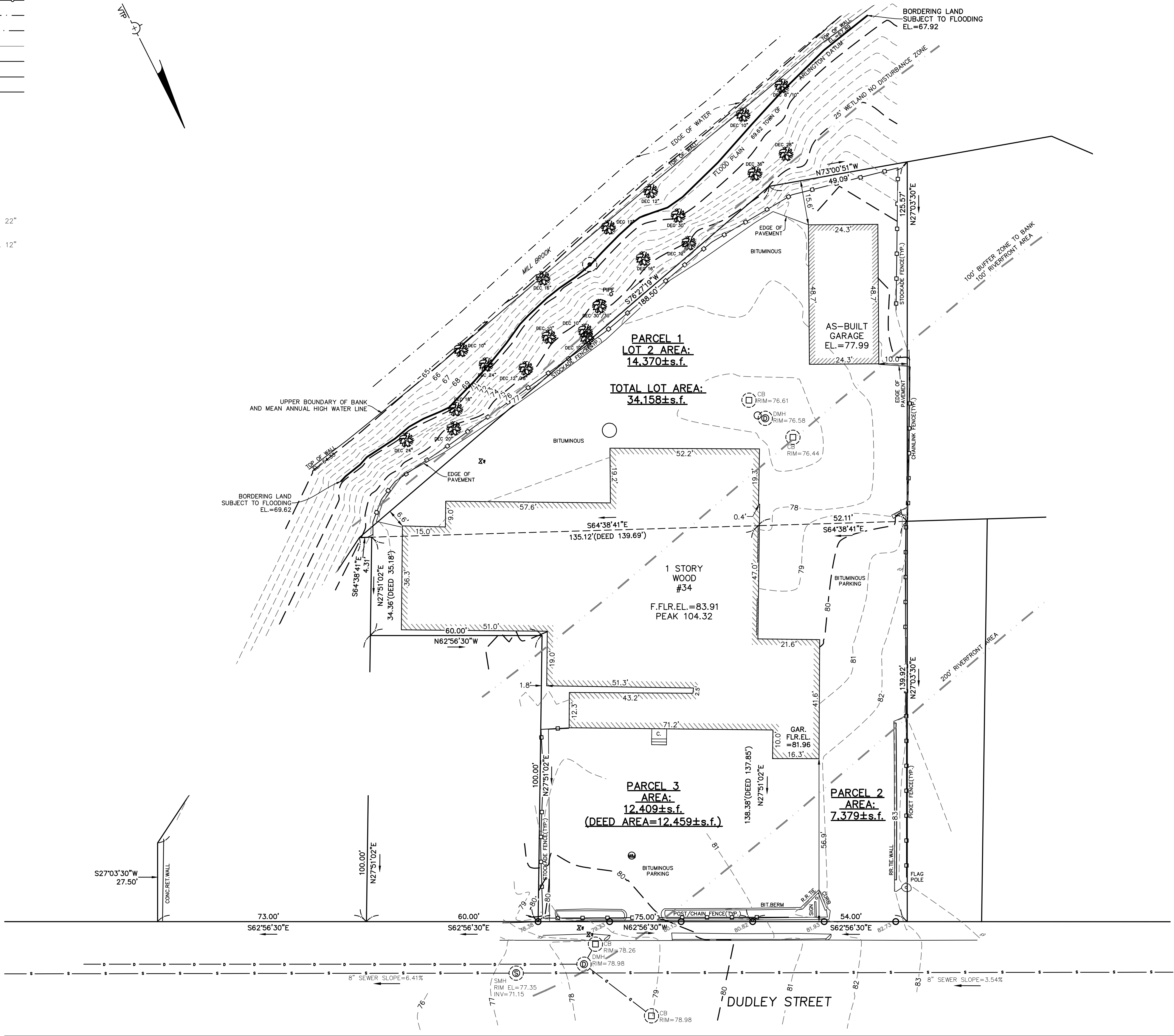
Joseph R. Porter, PLS

218234_282.dwg (2-2017)

© 2017 VTP ASSOCIATES, INC.

LEGEND

BUILDING	
PROPERTY LINE W/ BEARING DISTANCE	
CONTOUR	
STOCKADE FENCE	
CHAINLINK FENCE	
PICKET FENCE	
POST&CHAIN FENCE	
SEWER LINE	
DRAIN LINE	
WATER LINE	
GAS LINE	
GAS VALVE	
WATER VALVE	
DRAIN MANHOLE	
SEWER MANHOLE	
CATCH BASIN	
UTILITY POLE	
LIGHT POLE	
DECIDUOUS TREE	
CONIFEROUS TREE	
HYDRANT	



EXISTING BUILDING HEIGHT
NOT TO SCALE

AVERAGE GRADE:
 $(78.38+79.23+80.13+80.82+81.93+82.73)/6 = 483.22/6 = 80.54$

DATUM NOTE:
THE ARLINGTON DATUM IS 5.62' ABOVE THE USGS (NAVD 1988) BENCH

DWELLING IS LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA ZONE AE (100 YR. FLOOD PLAIN) WITH A 100YR. FLOOD ELEVATION BETWEEN 64 AND 62FT. (NAVD 1988) AND A ZONE X AS DETERMINED FROM F.E.M.A. FLOOD INSURANCE FLOOD RATE MAP COMMUNITY PANEL NO. 25017C0416E DATED 6/4/2010

ZONING CHART				
ARLINGTON, MASSACHUSETTS				
ZONE: INDUSTRIAL SUBMISSION: AS-BUILT				
REGULATION	REQUIRED	EXISTING	PROPOSED	AS-BUILT
LOT AREA	-	34,158±s.f.	N/C	N/C
LOT FRONTAGE	-	129.0	N/C	N/C
FRONT SETBACK	10.0'	56.9'	N/C	N/C
SIDE SETBACK	10.0'	1.8'	N/C	N/C
REAR SETBACK	10.0'	6.6'	N/C	N/C
BUILDING HEIGHT	52.0'/39.0'	23.78'	N/C	N/C
BUILDING HEIGHT(STORY)	4 / 3	1	N/C	N/C
AVERAGE GRADE	-	80.54	N/C	N/C
* NON CONFORMING				

TOPOGRAPHIC SITE PLAN
ARLINGTON, MASSACHUSETTS
SHOWING AS-BUILT CONDITIONS AT
#34 DUDLEY STREET

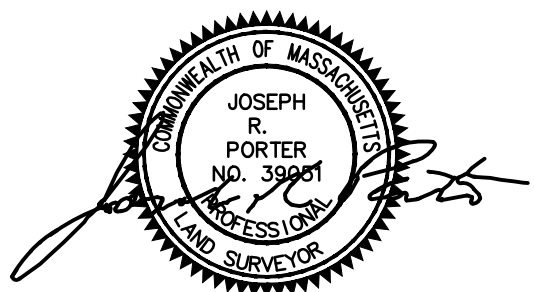
SCALE: 1in.=20ft. DATE: JULY 14, 2022

PROJECT: 218234

VTP
ASSOCIATES
INC.

LAND SURVEYORS - CIVIL ENGINEERS, 132
ADAMS STREET 2ND FLOOR SUITE 3
NEWTON, MA 02458
(617) 332-8271

SHEET 1 OF 1





Town of Arlington, Massachusetts

Notice of Intent: 34 Dudley Street (Continued)

Summary:

Notice of Intent: 34 Dudley Street (Continued)

Documents: 34 Dudley Response to Stormwater Comments

This application was first heard on March 3, 2022. The hearing has been continued at the applicant's request. The commission requested the applicant address comments by the town engineer concerning stormwater management.

This public hearing will consider a Notice of Intent to construct a five-story self-storage facility at 34 Dudley Street and remove a failing retaining wall on the adjacent Town-owned parcel at 0 Grove Street. As proposed, the project will result in impacts within the Riverfront Area to Mill Brook, 100-foot Adjacent Upland Resource Area, and buffer zone to Bank.

ATTACHMENTS:

Type	File Name	Description
Reference Material	34_Dudley_Response_to_Stormwater_Management_Comments_07-28-22.pdf	34 Dudley Response to Stormwater Management Comments



July 28, 2022

Ref: 52816.00

David Morgan
Environmental Planner + Conservation Agent
Department of Planning and Community Development Town of Arlington
730 Mass Avenue
Arlington, MA 02476

Re: Response to Comments – Conservation Commission

Dear : Mr. Morgan

On behalf of the applicant, PSI Atlantic Arlington MA, LLC, VHB has prepared the following response to outline the approach to the review comments received from the Town of Arlington Engineering Division regarding the Stormwater Management Plan Review: 34 Dudley Street, dated June 17, 2022. The Conservation Commission has requested that the following comments be addressed as part of the Notice of Intent review:

- › Stormwater Comments - 1. d, e
- › Bioretention Basin Comments- 2. b, c, d, e, h, j, m
- › Miscellaneous Comments - 12

For reference, the original comments are included below in italics, followed by the VHB response in bold.

Comments :

Stormwater Comments

1. Stormwater Comments

1.d – Include note requiring qualified individual to be present on-site during excavation of the Subsurface Infiltration System to properly identify the transition from fill to receiving layer.

VHB Response: A note will be added to Sheet C1.01 to require a qualified individual to be present on-site during excavation of the Subsurface Infiltration System to properly identify the transition from fill to receiving layer and to ensure proper non-compacted subgrade of the bottom of excavation.

1.e - Indicate that the crushed stone surrounding the Stormtech Chambers shall be double-washed.

VHB Response: A note will be added to Sheet C1.01 and C6.03 indicating that the crushed stone surrounding the Stormtech Chambers shall be double-washed.

2. Bioretention Basins

2.b - Include note requiring qualified individual to be present on-site during excavation of the Subsurface Infiltration System to properly identify the transition from fill to receiving layer.

VHB Response: As previously noted, a note will be added to Sheet C1.01 to require a qualified individual to be present on-site during excavation of the Subsurface Infiltration System to properly identify the transition from fill to receiving layer and to ensure proper non-compacted subgrade of the bottom of excavation.

2.c - Include elevation data on Bioretention Basin cross-section.

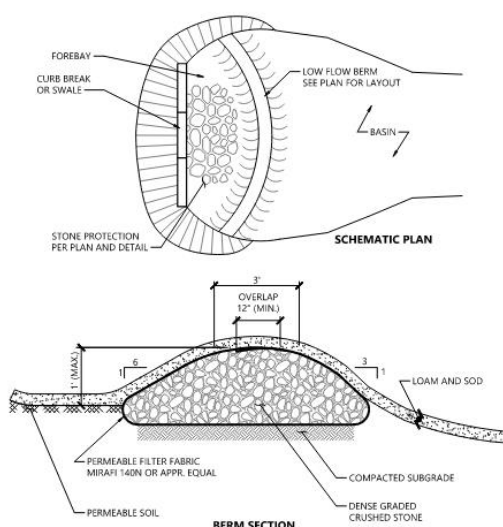
VHB Response: Elevation data will be provided on the Bioretention Basin Detail on Sheet C6.02.

2.d - Clarify detail indicating overflow outlet structure for each basin.

VHB Response: The overflow structure for the easterly bioretention basin is an area drain structure, refer to the Area Drain, Type 1, detail on sheet C6.02 for the detail. There is no piped outlet structure for the southerly basin, runoff is controlled by the berm of the basin. Per comment "2.h" below, a precast curb will be installed for a durable and level overflow device.

2.e - Provide information for check dam between sediment forebay and bioretention basin.

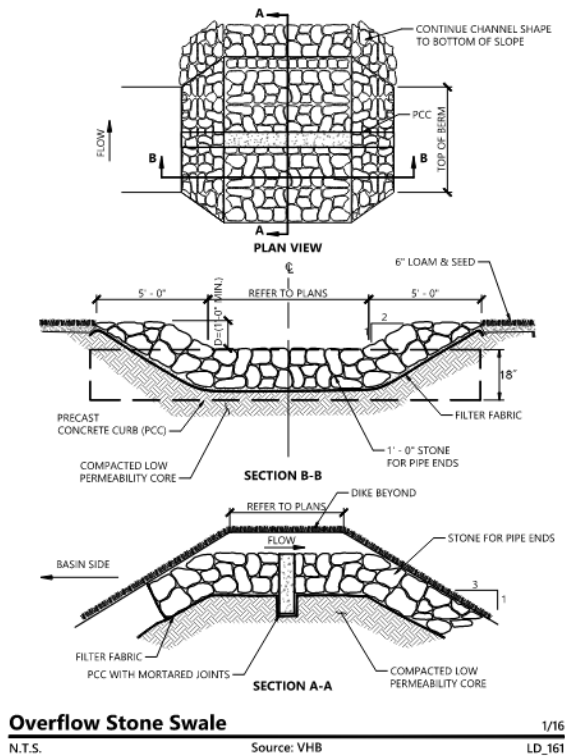
VHB Response: The detail shown below will be added to the final Planset to show the low flow sediment forebay berm between the forebay and bioretention basins:



Low Flow Sediment Forebay Berm
 N.T.S. Source: VHB 11/19 LD_165

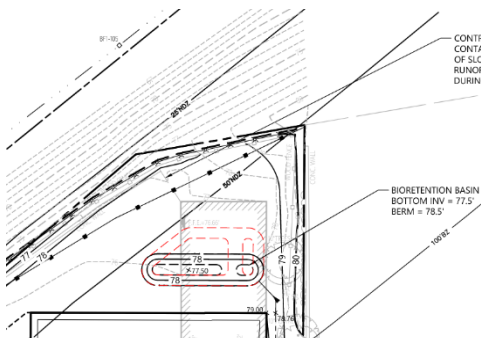
2.h - For bioretention basin at south end of property consider adding a durable level spreader to resist erosion.

VHB Response: An overflow stone swale with precast concrete curb will be utilized as a durable level spreader to resist erosion. The overflow stone swale detail is shown below and will be added to the planset:



2.j - Consider increasing size of bioretention basin located at south of property.

VHB Response: As requested, VHB has increased the size of the southerly bioretention basin to provide an additional 175± cubic feet of volume. This volume represents a similar amount to the previously permitted subsurface chambers that were not installed during the construction of the 2019 new garage project for this property. Refer to snippet below that shows the intent and new size of the basin in the red dashed lines.





2.m - Confirm required storage capacity for forebay in each Bioretention Basins.

VHB Response: Forebays shall be designed to provide 0.1 inch per contributing impervious area.

Easterly Bioretention Basin: This basin receives approximately 2,940 SF of impervious surface area, requiring approximately 24 CF of storage within the sediment forebay. This forebay has been designed to provide 24 CF of storage.

Southerly Bioretention Basin: This basin receives runoff from the westerly side of the property that is directed to it. To size the forebay, 0.1" of the available storage within the basin was used to calculate it as there is no site impervious area directed to it along this edge, however, good practice to provide the forebay as a pretreatment device regardless. The storage required and provided is 22 CF within the sediment forebay.

Miscellaneous Comments

12. - Include a note to require daily sweeping of the street if construction causes the deposition of sediment or debris in the street.

VHB Response: A note will be added to Sheet C1.01 to require daily sweeping of the street if construction causes the deposition of sediment or debris in the street.

We trust this letter addresses the requested partial response to comments included in the Town of Arlington Engineering Department's letter dated June 17, 2022, and respectfully request that the Conservation Commission consider a conditional approval of the proposed Self-Storage Project.

Sincerely,

VHB

A handwritten signature in blue ink, appearing to read "E. K. Gerade".

Eric K. Gerade, PE, LEED AP

Project Manager
egerade@vhb.com

CC: Jesse Morgan, PSI